

MINISTRY OF HEALTH

PHARMACY AND POISONS BOARD

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GUIDELINE FOR REGULATION OF COSMETIC PRODUCTS

JUNE 2024

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HPT/PER/GUD/***	**Guideline for Regulation of Cosmetic Products**	Revision No.0	Effective Date: 30/01/2022 Review Date: 14/10/2026

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ABBREVIATIONS

FIFO	First in First Out
FSC	Free Sales Certificate
GMP	Good Manufacturing Practice
ICID	International Cosmetic Ingredient Dictionary
INCI	International Nomenclature of Cosmetic Ingredient name
PPB	Pharmacy and Poisons Board
KEBS	Kenya Bureau of Standards
UV	Ultra Violet
SPF	Sun Protection Factor
PIF	Product Information File
CPNP	Cosmetic Product Notification Portal
CPSR	Cosmetic Product Safety Report
WHO	World Health Organisation
PPB	Pharmacy and Poisons Board
Ph Eur,	European Pharmacopoeia
BP,	British Pharmacopoeia
USP,	United States Pharmacopoeia
JP	Japanese Pharmacopoeia
IR,	Infra Red
GC	Gas chromatography
MS,	Mass spectrum
HPLC-	High perfomance Liquid Chromatography
UV, -	Ultraviolet
AAS.-	Atomic Absorption Spectroscopy
MAH -	Marketing Authorization Holder

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GLOSSARY OF TERMS

"Applicant" means a person who applies for marketing authorization of a cosmetic, an update or amendment to an existing marketing authorization to the Authority who may be a manufacturer or a person to whose order and specifications, the product is manufactured. After the product is registered the applicant shall be "marketing authorization holder";

Applicant shall be responsible for facilitating communication with the Board and when the product is registered, he shall assume all responsibilities regarding the safety, quality, performance or efficacy of product on the Kenyan market

"Board" means The Pharmacy and Poisons Board, or the acronym „PPB" established under Cap 244 of the Kenyan Law;

"Botanical" means an ingredient that is directly derived from plant and that has not been chemically modified before it is used in the preparation of a cosmetic;

"Claim" means any message or representation including pictorial, graphic, symbolic or any form of representation, which states, suggests or implies that a cosmetic has particular characteristics relating to its origin, function, nature, composition or any other characteristics;

"Colour" means a substance used as an ingredient of cosmetic product solely to give tonality to the product;

"Composition of a cosmetic" means the ingredients contained in a cosmetic product and their proportions;

"Container" means a bottle, jar, box, packet, sachet or other receptacle which contains or is to contain a cosmetic;

"Cosmetics" defined as any substance or preparation or device intended to be applied to the human body by means of rubbing, pouring, steaming, sprinkling, spraying on or otherwise applied to the human body or any part thereof for the purpose of cleansing, improving or altering the complexion, skin, hair, teeth or mucous membranes of the oral cavity without affecting the body's structure or function.

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"Flavour" means a substance used as an ingredient of cosmetic product solely to impart taste to the product;

"Fragrance" shall mean a substance used as an ingredient of cosmetic product solely to impart odour to the product.

"Free Sales Certificate (FSC)" means a document that indicates that the product is freely sold in ~~that~~ the country of origin;

"International Cosmetic Ingredient Dictionary (ICID)" means the latest edition of a book that gives names of cosmetic ingredients published by the American Cosmetics Toiletries and Fragrance Association;

"International Nomenclature of Cosmetic Ingredient (INCI) " means a name used for listing an ingredient on a cosmetic product label;

"Labeling" means information written, printed and/or graphic matter on the immediate or outer packaging and any form of leaflets;

"Label of a cosmetic" means any tag, brand, mark, pictorial or other descriptive matter, written, printed, stenciled, marked, embossed or impressed on or attached to a container of any cosmetic;

"Leaflet of a cosmetic" means and includes any written information related to a cosmetic;

"Local Technical Representative": This is a company incorporated in Kenya who is appointed by a foreign company not resident in Kenya to represent them and their cosmetics into the country .

"Manufacture of cosmetic" means and includes all operations involved in the production, processing, compounding, formulating, filling, refining, transforming, packaging, repackaging and labeling of the cosmetics;

"Manufacturer" means an entity engaged in the manufacture of cosmetics;

"Marketing authorization" means an official approval of the cosmetic product to be marketed or distributed in Kenya

Marketing Authorization Holder: a legal entity granted authorization to place a cosmetic product in Kenyan market and is responsible for that product.

"Name of the cosmetic product" means the name given to a cosmetic product, which may be an invented name, together with a trademark or the

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name of the manufacturer;

"National Standard" means a Kenyan Standard prescribed by the Kenya Bureau of Standards (KEBS);

"Natural product cosmetics" Products formulated from herbs, animal and mineral must be registered with the PPB if intended to be used as a cosmetic.

"Package" means any box, packet or any other article in which one or more containers of cosmetics are to be enclosed in one or more other boxes, packets or article in question, the collective number thereof;

"Secondary packaging" means the packaging into which is placed the immediate packaging;

"Primary packaging" means the container or other form of packaging immediately in contact with the cosmetic product;

"Preservative" means a substance which is added to a cosmetic for the primary purpose of inhibiting the growth of micro-organisms in that product;

"Product variant" For the purpose of this guideline product variant shall mean "items in a range of cosmetic products which are produced by the same manufacturer that are similar in composition and are intended for the same use but are available in different colours, fragrances or flavours".

"Principal purpose" The principal purpose of a cosmetic product is defined by the Cosmetics as "cleaning", "perfuming", "changing the appearance", "correcting body odours", "protecting", or "keeping in good condition" regarding external parts of the body, oral mucuous membrane or teeth.

The part of the definition referring to "protecting or keeping in good condition" has created uncertainties as to the broadness of the scope of application. In this respect the Board has made the following joint statement:

"The Authority agrees that the expression "protecting or keeping in good condition does not cover prevention of disease or protection against contamination

"Product Information File" (PIF) is a key strategic document that is necessary to place cosmetic products in the market.

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A PIF is mandatory for every cosmetic product placed on the market. Some of the key components that a cosmetic PIF should contain are:

- A description of the cosmetic product
- The cosmetic product safety report
- A description of the method of manufacture and a statement on compliance with Good Manufacturing Practice (GMP)
- Proof of the effect claimed for the cosmetic product data on any animal testing performed where applicable.

Special cosmetics and related products

Products that, while making no explicit medical claim, are marketed with claims/promises to deliver for preventing or interfering with normal operation of a physiological function whether permanently temporarily or whether by way of terminating, reducing, postponing or increasing or accelerating operation of the functions in human beings fall under this class

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LEGAL FRAMEWORK

The Board is statutorily mandated to undertake various functions in execution of its mandate regarding regulation of health products and health technologies. The regulation for the evaluation of health products and technologies is governed under the provisions of the Pharmacy and Poisons Act, Cap 244 Laws of Kenya hereinafter referred to as "the Act". Under the Act, Health Product is defined as to include human and veterinary medicines, medical products, medicinal substances, vaccines, diagnostics, medical devices, blood products, traditional and alternative medicine, therapeutic feeds and nutritional formulations, cosmetics and related products. Cosmetics therefore fall entirely under the definition of health products.

Additionally, PPB is statutorily empowered under Section 3A (a) of the Act to formulate guidelines for regulating the manufacture, import and export, distribution, sale and use of medical products including medical devices and IVDs. These guidelines are intended to implement the requirements of the Act to ensure that all medicinal products manufactured in, imported into or exported from the country meet the quality and safety requirements.

This guideline is therefore intended to implement the requirements outlined under Section 3B (2) (b) of the Act in bringing clarity to regulatory requirements of quality, safety and efficacy on manufacture, importation, export, distribution, sale and use of cosmetics in Kenya .

In execution of its regulatory functions, the PPB is empowered under Section 3 B (r) of the Act to collaborate with other national, regional and international institutions on medical substance regulation. The mechanisms enable the PPB to recognize and rely on registrations and certifications from notified bodies and reference regulatory authorities. It however retains the independence, responsibility and is accountable for the decisions taken, the reliance with the decisions, assessment and information of others notwithstanding.

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SCOPE

This guideline primarily addresses the organization of the information to be presented in registration of Cosmetics products. It is intended to provide an appropriate format for submission of data for registration.

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1.0 Introduction

Pursuant to the provisions of Section 2 of the Act, "Drug" is defined to include any medicine, medical preparation or theraupeutic substance. "Health product" includes human and veterinary medicines, medical products, medicinal substances, vaccines, diagnostics, medical devices, blood products, traditional and alternative medicine, therapeutic feeds and nutritional formulations, cosmetics and related products. Additionally, under Section 3B (1) of the Act, the Board is responsible for the regulation of health products, technologies and the profession of pharmacy.

Further, The Pharmacy and Poisons (Registration of Health Products and Technologies) Rules, 2022 defines cosmetics thus;

> "includes any substances manufactured, sold or represented for use in cleansing, improving or altering the complexion, skin, hair, eyes or teeth and includes deodorants and perfumes".

The purpose of this guideline is to provide guidance and inform marketing authorization holders and consumers on the methods and criteria employed by the Board in determining the suitability for registration as a cosmetic, describes the requirements for registration and how applications should be made. Ensuring safety, quality and claimed benefits of cosmetic products are the fundamental principles of cosmetics product control.

This guideline has classified cosmetic products into two groups General and Special cosmetics to facilitate marketing authorization process and their regulations as a whole. The guideline has also adopted EU directives on the requirements for composition of a cosmetic product in particular to the list of prohibited ingredients and substances that are permitted to a certain level in order to ensure safe and quality products on the market.

The guideline requires submission and processing of applications for marketing authorization direct through the online system. Applicants are

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therefore encouraged to familiarize with this guideline and follow them. However, the requirements stipulated in this guideline are minimal and whenever there will be additional information regarding products they should be submitted to the Board.

Adherence to this guideline will ensure that relevant information is provided for marketing authorization of cosmetics. This will facilitate efficient and effective evaluation and approval processes of the applications.
Special cosmetics marketed in the country whether manufactured locally or imported must be registered in compliance with the regulations published under the authority of these laws

1.1 Objectives

- To provide safe, efficacious and quality cosmetics to the people of Kenya,
- To implement risk-based approach to registration of cosmetic applications
- To provide timely marketing authorization services that meets the needs of the customers

This Guideline is divided into 3 sections
Section 1 General requirements
Section 2. Different forms of cosmetics
Section 3. Cosmetic PIF presentation

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SECTION 1:

1.1 GENERAL REQUIREMENTS

1.1.1 Regulation of cosmetic products

The Board regulates the manufacture, importation, distribution and sale of special cosmetics and related products by requiring that all the special cosmetic products be registered before they can be imported, manufactured, distributed or sold. Any person who manufactures, supply, distributes or

sell special cosmetic products must have their premises registered and licensed to carry out the intended activities as per the Act.
The details of the registration procedures can be found under the proceeding topics.

1.1.2 Who should apply for a product license

Person(s) or company who import or manufacture special cosmetics and related products or have products imported or manufactured on their behalf are responsible for applying to the Board to have their products registered. The applicant shall be responsible for the product and all information supplied in support of his application for registration of the product. This may be local manufacturer or a representative of a foreign manufacturer/distributor.

1.1.3 Products from multiple sources

Products with the same formulation and the same name but sourced from different manufacturing sites shall be registered separately.

1.1.4 Responsibility of Marketing Authorization holder

The MAH must in writing declare that they are responsible for ensuring safety quality and efficacy of the registered cosmetic product and that the product complies with all existing regulations. Responsibilities include;

i) Using raw materials which are safe and at the allowed concentration
ii) Practicing good manufacturing practices
iii) Ensuring appropriate packaging material is used to guarantee quality of product
iv) Executing suitable quality control
v) Having effective procedure for handling any adverse ~~effects~~ event that may occur with the product when used

1.1.5 Validity of registration

Full registration of a cosmetic will be valid for a period of 5 calendar years. Retention to be done every year.

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1.2 APPLICATION PROCEDURE

This section describes procedures for submission of documentation for registration of new special cosmetic and related products, variation to registered cosmetic products and renewal of registration.

The duly completed application should be through the electronic format available on PRIMS.

If more than one application is submitted, there shall be no cross reference from one application to another, i.e. information supplied in one application and also required in other applications shall be repeated in those other applications. For products classified under the category "Product Variant" shall be allowed to be registered under one application but with separate fees for each variant. Three (3) samples of the smallest commercial pack(s) from one batch with batch certificates of analysis.

1.2.1 Language

All applications and supporting documents shall be in English or Swahili.

1.2.2 Contract Agreement

An authenticated contract agreement should be made between the market authorization holder of the cosmetics in question and the local agent responsible for the import, distribution and sale of the cosmetics in Kenya.

The agreement should be signed by both parties. The seal/stamp of both parties should also be affixed to the document.

i) The agreement should specify that the representative chosen is the sole agent or exclusive distributor authorized to register the cosmetic product in Kenya.
ii) The agreement should state that if any fraud or suspected and unacceptable adverse event occurs to the consumer under normal utilization, both parties will be responsible for removing the product from the market.

1.2.3 Data on the Manufacturer

i) Site name and physical address

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ii) The authenticated certificate of Good Manufacturing Practice (GMP) and product certificate and/or free sale certificate which could be combined in one and which is issued by the competent Health Authority in the country of origin.
iii) Manufacturing license for Regulatory authority (country of origin)

1.2.4 Product composition information

Indicate the list of all ingredients, which will be present in the final product including the monograph reference, quantity and function.

The name used for an ingredient shall be identified by its common name as provided for in the common ingredient's nomenclature or, in the absence of nomenclature or of a common name, by its chemical name, its European pharmacopeia name, its International Non-proprietary name as recommended by the WHO, its IUPAC or CAS identification reference or its color index number.

Ingredients of the cosmetics should not be in the lists of prohibited cosmetic ingredients. Manufacturer should indicate the reference to each ingredient used for the preparation of cosmetics. Reference can be made to the international cosmetic ingredient Dictionary (ICID), European Union Cosmetic ingredients Compendium (EUCIC), and other Compendium recognized by the PPB.

1.2.5 Control of the finished product

Mention all the relevant control parameters for the finished product with their specification limits. The finished product specification should include but not be limited to:

i) Appearance (clarity, color, homogeneity, odor)
ii) Consistency
iii) pH
iv) Average weight/Volume
v) Assay (for functional cosmetics) as required in addition to other tests.
vi) Method(s) of analysis for the finished product. The test method should

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at least mention the equipment, reagent, method, etc.

vii) Heavy metals test

1.2.6 Method of Manufacture

The method of manufacture should show

i) Flow chart of the manufacturing process

ii) Concise description of the method of preparation mentioning the quality and quantity of the raw materials used including the final packaging and labeling procedures.

iii) Description of the precautions and in-process controls that are made in connection with different stages in cosmetics manufacturing, that are of importance in ensuring the quality of the finished product.

1.2.7 Data Demonstrating Safety and Efficacy

To determine the margin of safety of cosmetics for human use:
Relevant toxicity tests should be submitted.

Where applicable the following toxicity data should be submitted

i) Single dose toxicity

ii) Primary skin irritation

iii) Ocular or mucous membrane irritation test

iv) Skin Sensitization

v) Photo toxicity and photosensitivity

vi) Repeated human irritation test

For functional sunscreen cosmetics- The following test should be performed indicating test method and evaluation method

a) SPF test method

b) Expression of SPF

1.3 Type of applications

There are four (4) types of applications as follows: -

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1.3.1 New application

i) This is an application for registration of a special cosmetic product that is intended to be placed on the Kenyan market for the first time. New application may only be made by the applicant.

ii) A separate application is required for each cosmetic product with exception of the same products with different pack size and shapes; declaration of the available pack sizes and shapes shall be stated.

iii) Request for registration of a product shall be submitted in one

iv) application. A variant(s) can be submitted together with the original application.

v) Products with the same formulation and same name but sourced from different manufacturing sites shall be treated as different products hence registered separately.

vi) A kit shall be submitted as one application. Categorization of such kit shall be based on the components therein. If one of the components is special cosmetic then the whole kit will be categorized as special categorized. If all the components fall on non-special/general cosmetics, then the kit will be categorized as non-special/general.

1.3.2 Variation

i) If for any reason the applicant changes any matter related to a registered special cosmetic product including but not limited to change of packaging, labeling or any other change, shall before marketing the changed cosmetic product, notify and obtain approval from the Board of the change. The notice to the Board shall be accompanied with the reason(s) for such change in the variation application form (Annex 2)

ii) All applications for variation to registered special cosmetics shall be accompanied by variation fee as prescribed.

iii) The Board shall evaluate the applications for variations and either approve or reject.

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iv) Changes involving product(s) qualitative composition and manufacturing sites shall be treated as new application.

1.3.3 Application for retention

i) Registered special cosmetic products shall be retained annually. Applications for annual retention shall be made at least 30 days before the expiration of registration validity. (Annex 3)

1.3.4 Application for renewal

i) Application for renewal shall be made after five years by the applicant who shall be responsible for the safety and quality of the product.

1.4 Documents which must accompany Application Forms for Registration of a Cosmetic

The application should contain all the information detailed below in support of their proposal to register a cosmetic product

i) Letter of authorization from the product owner (if the applicant is not the product owner)
ii) Certificate of Analysis and full information concerning analytical assessment and other control methods to ensure strength, quality and stability.
iii) Certificate of free sales (CFS) - certificate from the health authority or a recognized body of the foreign country in which the cosmetic is produced confirming that the cosmetic is in use there and the period of use, if not available state reasons.
iv) A sample of the label (s) used in the containers and package insert (if any) should be supplied. (colored artworks)
v) A certification of observance to Good Manufacturing Practices (GMP) – This certificate must be from the country of manufacture and issued by the health authority or recognized body.
vi) Product Information File
vii) For Sun screens, if the SPF factor is more than 15, relevant documents should be submitted to prove the SPF factor.

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viii) Information to support the claim benefit

ix) All supporting documents in languages other than English /Swahili must be translated to English.

x) Additional details regarding the application shall be submitted if and when requested by the Licensing Authority.

xi) In addition, the company shall;

xii) Submit the smallest possible pack size of the product.

1.5 Payment of fees

i) Every application shall be accompanied by prescribed fees

ii) The fees shall be paid to Pharmacy and Poisons Board in dollars

All bank charges shall be borne by the applicant who shall also make sure he sends an advice note giving details of the payment in particular the name of the applicant, the product or products paid for and amount of fees paid. If the product is already registered in addition to the aforementioned details, the registration number of the product must also be quoted

SECTION 2: CLASSIFICATION OF COSMETIC PRODUCTS

For the purpose of these guidelines cosmetic products are classified into two (2) categories namely special cosmetics and general cosmetics. The assessment of whether a product is a cosmetic product has to be made on the basis of a case-by-case assessment, considering all characteristics of the product.

2.1 Class 1: Special cosmetics

Products that, while making no explicit medical claim, are marketed with claims/promises to deliver for preventing or interfering with normal operation of a physiological function whether permanently temporarily or whether by way of terminating, reducing, postponing or increasing or accelerating operation of the functions in human beings fall under this class.

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i) Cosmetics which have potential to be absorbed through the mucous membrane such as Products for application in the area around the eyes (except eye brow products), intimate areas-and oral cavity
ii) Cosmetics containing components derived from living organisms, microorganisms or produced through biotechnology process.
iii) Hair growth promoting/restoration
iv) Sun - tanning preparations intended to protect against sunburn – not be presented as having a sun protection factor of more than 15; and not be presented as water-resistant not have a therapeutic claim, including any representation about skin cancer, made for it;
v) Anti-Dandruff agents -The product must be presented as controlling or preventing dandruff only through cleansing, moisturising, exfoliating or drying the scalp
vi) Vitaminised / Hormone / Placenta containing products
vii) Pediculocide shampoo
viii) Medicated soaps
ix) Insect repellants
x) Anti-aging products
xi) Anti-wrinkle products
xii) Anti-hair loss
xiii) Aromatherapy substances
xiv) Hydroxy Acids: Alpha Hydroxy Acids (AHAs), Beta Hydroxy Acids (BHAs), Poly Hydroxy Acids (PHAs)

2.2 Class 2: General cosmetics.

Cosmetics and related products that do not fall under class 1 are classified as general cosmetics. They provide the body with appropriate aesthetics, texture, pH, color and smell. They include but not limited to:

Toilet soaps, ~~shampoos,~~ ~~lotions, creams~~, gels, ~~nail polish/removers~~, hair and body oils, powders, sprays and perfumes, baby preparations, preparations for lip care/makeup, eye care/makeup, etc

a) Moisturizing creams and lotions,
b) Nail polishes and removers,
c) Shampoo and conditioners,
d) Body sprays and perfumes,
e) Make-ups,
f) Bathing and toilet soaps etc
g) Gels
h) Hair and body oils
i) Powders
j) Baby preparations

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k) Preparations for lip care/make up
l) Eye care/Makeup

3.0 Labelling requirements

3.1 The containers of all cosmetics imported, manufactured, processed or packed locally or sold or exposed for sale should have labels bearing the following information.

i. The brand name, type of product: Botanical names of ingredients will not be permitted as brand names
ii. Product category
iii. The weight / volume of contents
iv. The date of manufacture form" mm/yyyy";
v. Expiry date "Best used before" / Expiry date - The date should be clearly stated and shall consist of the month and the year in that order
vi. The batch number or lot number assigned by the manufacturer in code or otherwise
vii. Country of manufacture and the name and address of the manufacturer(Physical)
viii. The name and address of the company or person responsible for marketing the product locally.
ix. The function of the product unless it is clear from the presentation of the product
x. Instructions on use unless it is clear from the product type or presentation
xi. Special precautions to be observed in its use
xii. Warning statements (Annexure 2)

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3.1.2 In addition to the labelling requirement stipulated above, cosmetics classified as "Special cosmetics" are required to bear:

An ingredient declaration.

Ingredient names used should be specified according to nomenclature in the International Cosmetic Ingredient Dictionary (INCI), British Pharmacopoeia (BP), United States Pharmacopoeia (USP), Chemical Abstracts Service (CAS) or such other approved nomenclature.

The ingredient declaration must be conspicuous, so that it is easily read at the time of purchase. It may appear on any information panel of the outer

container or if not packaged in an outer container on the jar, tube or bottle containing the product.

The declaration may also appear on a tag or card that is firmly affixed to the container. The name of each ingredient used should be declared in descending order of predominance except that fragrances or flavour may be listed as fragrance or flavour. A cosmetic will be considered to be misbranded if its labelling is false or misleading or does not bear the required labelling information.

The source of any bovine-derived materials used, as ingredients in cosmetic products must be declared in both special / general cosmetics. The information should include the type of bovine-derived materials used i.e. type of tissue or organ used and the country of origin of the bovine-derived materials.

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A cosmetic is considered misbranded if:-

a) labeling is false or misleading
b) label does not state
   i. the name and address of the manufacturer, packer, or distributor
   ii. the net quantity of contents
c) the required information is not stated prominently, with conspicuousness and in terms that it is read and understood by consumers under customary conditions of purchase and use
d) the container or its fill is misleading

Factors Determining Whether Labeling Is Misleading

1. Representations made or suggested
2. Failure to reveal material facts:
   a. Material in light of such representations
   b. Material with respect to consequences resulting from the intended use

Labeling may be considered misleading not only because a label statement is deceptive but also because a material fact is not revealed on a label.
A fact may be material in light of a statement made on a label or because certain consequences may result from the recommended use of a product.

NB Generally, all items should have their labeling at least in the English language, but preferably in all two languages (English, Kiswahili). The letters of which, must not be less than 0.75mm high in the case of a small label, not less than 1.5mm high in any other case of an inch in height.

FORMAT FOR CONSUMER INFORMATION

Consumer product information when deemed necessary will be in the following formats.

Directions on use	
Warnings e .g.;	Do not use this product if you are----------
	Ask the doctor before use ----------
	Stop using this product if ----------

Therapeutic claims either actual or implied are not appropriate in the labelling of cosmetics
Annexure 4 contains examples of claims that are cosmetic - oriented and will be acceptable by the Board.

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2.3 WHEN DOES A COSMETIC BECOME A DRUG?

Medicinal Cosmetics

Products that are cosmetics but also exert a therapeutic effect (intended to treat or prevent disease, or affect the structure or functions of the body) will be considered to be a medicine irrespective of whether therapeutic claims are made on the label or in advertising material. Even if a product is intended for marketing as a cosmetic, it would be determined to be either "cosmetic" or "medicine" depending on;

i. Its Ingredients
ii. Its route of administration
iii. Therapeutic claims made on its label / or in advertising: if a product is marketed with claims for purposes such as treating or preventing disease, or affecting the structure or function of the body—including the skin—it's a drug according to the law, and it must meet the requirements for drugs, even if it affects the appearance.

a) One of the main factors in determining whether a product is a cosmetic or a medicine, is on the claims made for the product. There are also several indicators that a cosmetic product has a proposed therapeutic use. Intended use may be established in a number of ways. Among them are:
Claims stated on the product labeling, in advertising, on the Internet, or in other promotional materials. Certain claims may cause a product to be considered a drug, even if the product is marketed as if it were a cosmetic. Such claims establish the product as a drug because the intended use is to treat or prevent disease or otherwise affect the structure or functions of the human body. Some examples are claims

that products will restore hair growth, reduce cellulite, treat varicose veins, or revitalize cells.

b) perception, which may be established through the product's reputation. This means asking why the consumer is buying it and what the consumer expects it to do.

c) Ingredients that may cause a product to be considered a drug because they have a well-known (to the public and industry) therapeutic use. An example is fluoride in toothpaste.

This principal also holds true for essential oils in fragrance products. A fragrance marketed for promoting attractiveness is a cosmetic. But a fragrance marketed with certain "aromatherapy" claims, such as assertions that the scent will help the consumer sleep or quit smoking, meets the definition of a drug because of its intended use.
Such products must comply with both the drug and cosmetic provisions of the LAW.

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SECTION 3 COSMETIC DOSSIER PRESENTATION

Product information/dossier must be prepared in a language, which is easily understood by the Kenyan Authority. The Pharmacy and Poisons Board will accept to receive information in English or Swahili. Consequently, it is important to secure those foreign contractors or sub-contractors to be able to submit information in these languages.
The Pharmacy and Poisons Board will treat the information confidentially.

In the following the information required will be described in detail.

3.1 Product composition

The following should be stated:

1) The qualitative and quantitative composition of the product;

The complete product composition must be specified stating the name and any other identity (qualitative) of each raw material including an indication of the amount of each raw material stating weight percentage (quantitative).

Examples of ingredients could be;
Plasticizers, moisturizing substances, stabilisers, viscosity controlling agents, emulsifiers, colorants, preservatives, flavours / fragrances, etc.

Every single ingredient in a raw material including preservatives must be identified, e.g. by the following information:

i) INCI-name
ii) CAS-No.
iii) Chemical name, (e.g. EINECS or IUPAC names)
iv) Synonyms (e.g. the designation in CFTA, WHO or the European pharmacopoeia)
v) Gross formula, if possible
vi) Structural formula, if possible, (e.g. CH_3-CO-CH_3)
vii) Method of manufacture, origin

When using ingredients of botanical or animal origin (e.g. juice, extract, starch or gelatine) the following information is required (section 3.2.2):

i) Which plant/animal has been used.
ii) From which part of the plant/animal does the material originate.

For plant extracts, which form part of the finished product exclusively as perfume (essential oils) and for other perfumes and perfumed compositions, which often consist of many different fragrances the information about the composition is limited to the name as well as the identity of the supplier.

3.2 Physio-chemical and microbiological specifications (referenced annexure 8) refer to KEBS standards

3.2.1 In general

The following information should be provided:
The physico-chemical and microbiological specifications of the raw materials and the finished product and the purity and microbiological control criteria of the cosmetic product.

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KEBS standards are available for physicochemical and microbiological controls

3.2.2 Control of cosmetic

For further identification of the raw materials and the finished product these should be characterised by their analytical specifications. Relevant physico-chemical specifications must be stated for each ingredient as well as for the finished product. Especially, the physico-chemical properties, which have influence on the safety-of-use as a cosmetic product, should be stated. These specifications should among other things form the basis of the assessment, which according to section 3.4 is to be carried out regarding the safety for human health of the finished product.

The specifications and other related control criteria for raw materials as well as for the finished product should be determined according to the type and use of product of which they form part.

The specifications must comprise of the analysis methodologies used with reference to analysis certificates as well as information about acceptance limits for the tests described.

Provided that samples are available, the Pharmacy and Poisons Board is entitled to be supplied with these samples, if the Board wants to make an analysis of the individual raw materials.

3.2.3 Physico-chemical specifications of raw materials

Specifications of raw materials

A suitable specification of the raw material can be based on the following:

i) Physical characteristics: E.g. state (liquid, solid etc.), density, colour and odour (sharp, sweet etc.) and vapour pressure, melting and boiling point, refractive index, flash point and viscosity.
ii) Chemical characteristics: E.g. acid-base properties (pH), oxidising

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properties and solubility.

iii) Water content, if the substance is hygroscopic or degradable in connection with humidity.

iv) Stability, e.g. stability under influence of light, humidity and temperature The identification of the raw material, determined by e.g. IR, GC/MS, HPLC/MS, HPLC/UV, AAS.

Further, the function of the raw material in the finished product must be stated.

If the raw material is described in a pharmacopoeia, the monograph from this can be used. The Board considers the Ph Eur, BP, USP, JP suitable in this connection.

Raw materials of botanical and animal origin

In case of raw materials extracted from plants or raw materials, which are part of plants, the following should be stated for further identification:

a) Botanical name and family.
b) Which part of the plant is used.
c) From where does the plant descend geographically.
d) When was the plant reaped and which stage of growth had the plant reached.
e) Treatment with pesticides during growth.
f) Production process, including extraction, distillation or cleaning out.
g) Commercial form: A powder or a solution, and solvent, if any.
h) Characteristic ingredients, e.g. active ingredients (in %), microbiological quality as well as impurities.

Generally, material from plants and parts of plants should be examined for pesticide residues etc., radioactivity, toxic metals.

If the raw material contains active ingredients described in a pharmacopoeia the analytical methods stated in the pharmacopoeia should be followed.

Corresponding requirements for identification may be relevant for raw materials extracted from animals. As an example can be mentioned tissue

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from cattle, sheep and goats where certain forms of tissue are not allowed in cosmetic products due to transmittable mad-cow-desease (TSE).

3.2.4 Criteria for physico-chemical purity of raw materials

Physico-chemical purity of the raw materials

Any known impurity, which might have a toxicological effect, must be stated by name and level of content. It could be content of solvent residues, e.g. benzene in Vaseline, monomer residues in polymer compositions, e.g. acryl amide, nitro amines in alkanolamides, heavy metals, pesticide residues etc.

All impurities arising from the production process of the raw materials, or the breakdown products produced during the stability test must be identified. The identification can be made by means of HPLC, GC, AAS or IR.

3.2.5 Cosmetic Product specifications

All Specifications must be signed, version numbered and dated

Relevant specifications of the finished product should be stated including:

a) **physico-chemical specifications** as mentioned under raw materials in order that the ordinary quality of the product can be guaranteed by means of these specifications.

It is the responsibility of the manufacturer that the finished product does not contain other impurities or substantial amounts of the impurities than mentioned in the product specifications, e.g. nitro amines, and that these impurities do not influence the safety of the cosmetic product.

b) **Microbiological control of the raw materials and the finished cosmetic product**

Microbiological control of the raw materials

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It is important to limit the existence of microorganisms in cosmetic pro- ducts not only to protect the user from harmful effects but also to secure that the product will keep fresh and will not degrade quickly and be spoiled. Aqueous products, for instance, will often have limited keeping qualities as they are especially sensitive to microbial growth.

Raw materials may contribute considerably to microbial pollution of the product, all dependent on their nature and origin, and the demands on mi-crobial purity must be described in the specifications of the raw materials. Especially water must be tested frequently for growth. As a rule, water, which is not sterilized, should not be stored. It might turn out to be necessary to sterilize the water after a demineralization in order to obtain a sufficiently pure quality of the water, as microorganisms may often pollute ion exchanger columns.

When setting up criteria for microbial pollution there is a differentiation between the following product categories:

a) Products for children under 3 years, skin products and products intended for eye surroundings and mucous membranes
b) Other products eg Rinse off products

Acceptable levels

The Board considers the following levels to be acceptable in respect of microbial pollution:

a) Less than 10^{2} or 10^{3} aerobe bacteria and 10^{2} fungi per gram or per millilitre of the raw material or the finished product.

Further, the following microorganisms must not be found in cosmetic products:

a. Staphylococcus aureus
b. Pseudomonas species

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c. Enterobacteriaceae

d. Candida albicans

The probability of finding the micro-organisms mentioned is, however, extremely limited under the clean manufacturing conditions which are necessary to observe the requirements of no more than 10^2 bacteria and fungi.

c). Efficacy test of the anti- microbial properties of the preservative

The efficacy of the anti-microbial properties of preservative in the cosmetic products is tested in a challenge test (Ph.Eur. 5.1.3) (4).

Challenge test

The challenge test is described more closely in "Efficacy of anti- microbial preservation" (This describes which micro organisms should be used in the test as well as the entire procedure for adding micro organisms, sampling and count of micro organisms, which survive within the indicated period. The Technical Guidance Notes from SCCNFP (3) state that the micro organisms to be used in the test must be Staphylococcus aureus, Pseudomonas aeruginosa and Candida albicans; however, tests with other micro organisms may in certain instances be necessary.

D) Batch Results

Consequently, a test for these may, in general, be omitted, when the above-mentioned requirements have been satisfied.

Certificates of analysis of three (3) consecutive batches of the FPP must be provided

3.2.6 Reference standards

Where applicable, provide the reference standards(compedial) for those ingredients which appear in the official pharmacopoeias; certificates of analysis of both primary and secondary reference standards (working standard)

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For the In house standards, atleast three (3) certificates of analysis of the working standards.

ACCEPTANCE CRITERIA OF THE REFERENCE STANDARDS

For cosmetic products it is recommended to follow the acceptance criteria described in U.S.P. (Anti-microbial Preservation - Effectiveness) (5). This implies that the bacteria must be reduced to 0,1% of the initial concentration after 14 days, and that the concentration of bacteria after further 14 days is not increased. As to fungi the concentration after 14 days must not exceed the initial concentration, and must stay on the same level after further 14 days.

The anti-microbial properties for the product are sufficient if a significant decrease or no increase in the number of micro-organisms can be observed when the product is tested for the intended storage and use. In this connection it is important also to examine whether the packing of the product protects the contents sufficiently. Further addition of preservatives is not desirable, and addition of a higher dose of preservative must in no way replace the demands for good manufacturing practices.

The challenge test should be repeated if it is doubtful whether the product is sufficiently preserved. It must be emphasised that challenge tests do not replace routine control.

3.3 Manufacture (As per ISO 22716-Guideline on Good Manufacturing practices of cosmetics)

3.3.1 Method of manufacture

3.3.1.2 In general

The following outlines have been laid down for the actual manufacture of cosmetic products:

The method of manufacture must comply with the good manufacturing practice ensuring that a cosmetic product manufactured under normal conditions is not dangerous to human health and safety.

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It is recommended to follow the Guideline for Good Manufacturing Practices of Cosmetic Products (GMPC) from PPB. It should be emphasised that in order to be able to meet the rest of the requirements of the dossier it is important to ensure full traceability in the manufacturing process.

The manufacturing method must be described by all relevant stages of the process. A documentation system for all stages in the manufacturing process must be set up with reference to the journal for the production series (batch journal), for the finished product and the batch journals for the raw materials. The description of the manufacturing method must, among other things, comprise:

1. A well-defined manufacturing procedure covering all stages of the production, determined by directions for composition, directions for manufacturing and directions for packaging including the choice of suitable packaging to keep the quality of the product. Any deviation from the directions must be reported.
2. Suitable manufacturing facilities, including the staff and training of the staff; apparatus and manufacturing equipment including cleaning requirements as well as raw materials of good quality.
3. Quality control by means of suitable, well-defined and updated test methods.
4. An effective manufacturing journal which as a minimum must contain the following data for each product:
   a) Trade name, internal code number etc.
   b) Batch number ,size and date.
   c) Reference to specifications and methods of control.
   d) The result of control test of the product as well as the initials of the person who carried out the tests.

3.3.2.2 Sub-contractor manufacture and manufacturing Method

In case of sub-contractor manufacture it is important that the specifications of the products are clear and unambiguous, and that the person responsible for marketing ensures that the sub-contractor is living up to the above-mentioned requirements (Chapter 2.3.1) and has the

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necessary manufacturing facilities, equipment, staff etc. at his disposal. Furthermore, directions, specifications etc. must be available in a language, which can be understood in the country from which the product is placed on the market.

There ought to be a written agreement covering the entire manufacturing process, and the person responsible for the marketing should frequently control whether the wage producer is living up to the defined specifications

3.4 Presentations

CONTAINER CLOSURE:

3.4.1 Package

A container or wrapping, other than a shipping container or wrapping, in which a consumer commodity is delivered or displayed to retail purchasers. Essentially, the "package" is the outer container of a product as, for example, a box or folding carton. However, the "package" can also be the immediate container, e.g., bottle, jar or aerosol can that holds the product if the immediate container is not displayed in a box or folding carton.

3.4.2 Cosmetic labelling

Labeling means all labels and other written, printed or graphic matter on or accompanying a product.

Proper labeling is an important aspect of putting a cosmetic product on the market.

The principal display panel, i.e., the part of the label most likely displayed or examined under customary conditions of display for sale ,must state the name of the product, identity by descriptive name or illustration of the nature or use of the product, and bear an accurate statement of the net quantity of contents of the cosmetic in the package in terms of weight, measure, numerical count, or a combination of numerical count and weight or measure.

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The name and place of business of the firm marketing the product must be stated on an information panel of the label .The address must state the street address, city, state, and zip code. If the distributor is not the manufacturer or packer, this fact must be stated on the label by the qualifying phrase "Manufactured for ...", "Distributed by ...", or similar, appropriate wording. The full physical address of the manufacturer should be included.

3.4.3 Declaration of Ingredients

Cosmetics produced or distributed for retail sale to consumers for their personal care are required to bear an ingredient declaration

The ingredient declaration must be conspicuous so that it is likely to be read at the time of purchase. It may appear on any information panel of the package, i.e., the folding carton, box wrapping if the immediate container is so packaged, and may also appear on a firmly affixed tag, tape or card. The letters must not be less than 1/16 of an inch in height .If the total package surface available to bear labeling is less than 12 square inches, the letters must not be less than 1/32 of an inch in height .Off-package ingredient labeling is permitted if the cosmetic is held in tightly compartmented trays or racks, it is not enclosed in a folding carton, and the package surface area is less than 12 square inches .

The ingredients must be declared in descending order of predominance. Color additives and ingredients present at one percent or less may be declared without regard for predominance. The ingredients must be identified by the names established .

N/B Cosmetics which are also drugs must first identify the drug ingredient(s) as "active ingredient(s)" before listing the cosmetic ingredients.

All label statements required by regulation must be in the English language and must be placed on the label or labeling with such prominence and conspicuousness that they are readily noticed and understood by consumers under customary conditions of purchase

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3.4.4 Tamper-Resistant Packaging

Liquid oral hygiene products (e.g., mouthwashes, fresheners) and all cosmetic vaginal products (e.g., douches, tablets) must be packaged in tamper-resistant packages when sold at retail. A package is considered tamper resistant if it has an indicator or barrier to entry (e.g., shrink or tape seal, sealed carton, tube or pouch, aerosol container) which, if breached or missing, alerts a consumer that tampering has occurred. The indicator must be distinctive by design (breakable cap, blister) or appearance (logo, vignette, other illustration) to preclude substitution. The tamper-resistant feature may involve the immediate or outer container or both. The package must also bear a prominently placed statement alerting the consumer to the tamper-resistant feature. This statement must remain unaffected if the tamper-resistant feature is breached or missing.

3.4.5 Cosmetic Warning Statements

The label of a cosmetic product shall bear a warning statement whenever necessary or appropriate to prevent a health hazard that may be associated with the product

A cosmetic not bearing a necessary warning statement may be considered misbranded because it fails to reveal a fact "material ... with respect to consequences which may result from the use of the article

A warning statement must appear on the label prominently and conspicuously as compared to other words, statements or designs so that it is likely to be read by ordinary consumers at the time of purchase and use.

The lettering must be in bold type on contrasting background and may in no case be less than 1/16 inch in height.

3.5 Stability studies

Stability study will mainly aim to estimate the stability of a cosmetic product over its shelf life. Product Stability Summary Report,for product durability below 30 months:

The stability testing data and report or stability assessment to support the

expiry date;

3.5.1 Stability studies and Labelling Requirements

A stability study will mainly aim to estimate the stability of a cosmetic product over its shelf life. Stability protocol and stability summary report should be submitted to support a proposed shelf life.

3.5.2 Stability study parameter

The impact of various storage conditions on product stability, e.g. influence of light, humidity and temperature should be demonstrated for stability indicating test parameters. All impurities arising from the production process of the raw materials must be identified at release, while the breakdown products produced during the stability test must be identified.
Stability studies are to be carried out to determine shelf life, preservative effectiveness (challenge test) and product compatibility with the packaging, etc;

All impurities arising from the production process of the raw materials, or the breakdown products produced during the stability test must be identified. Stability studies e.g. to evaluate shelf life, preservative effectiveness (challenge test), compatibility of the product and the packaging, etc;

Stability, e.g. stability under influence of light, humidity and temperature.
The following tests parameters, but not limited to, should be determined:

a) Organoleptic properties – appearance, colour, odour and texture
b) Physical-chemical properties – pH, weight
c) Microbiological parameters – microbial count and preservation efficacy test
d) Compatibility – between the product and the container

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e) Functionality and aesthetics – when stored under suitable conditions

The storage product quality should be evaluated at specific time intervals (0 months,3 months,6 months ….) under controlled conditions.
Samples should be kept in elevated temperature and humidity conditions, depending on the product type and the market needs.
NB For guidance on stability study refer to annexure 7

4.0 Assessment of the finished product

4.4.1 Special cosmetics will be assessed with reference to the following:

1. The list of prohibited / allowable ingredients / preservatives / colourants as specified in the International standards eg European Union (EEC) Cosmetics Directives, standard reference texts or KEBS Standards
2. "Finished Product Specification" including heavy metals test
3. An analytical certificate from laboratories acceptable in the country of origin.
4. If the product contains ingredients not included in official lists their specifications and testing methods should be included
5. Sterility: Cosmetics need not be sterile, however, they must not be contaminated with microorganisms, which may be pathogenic, and the density of non -pathogenic micro- organisms should be low. In addition, cosmetics should remain in this condition when used by consumers. The cosmetic will have to conform to the accepted microbial limits as specified by the PPB and KEBS standard
6. Stability data for the cosmetic provided(mandatory for controlled cosmetics)
7. Adherence to Good Manufacturing Practices (GMP) (mandatory for special cosmetics)
8. The Pharmacy and Poisons Board strongly urges special cosmetic manufacturers to conduct relevant toxicological or other tests as appropriate to substantiate the safety of their cosmetics. If the safety

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of a cosmetic is not adequately substantiated, it should bear the statement.

"Warning - The safety of this product has not been determined."

Assessment of the safety for human health of the finished product.

To that end the manufacturer shall take into consideration the general toxicological profile of the ingredient, its chemical structure and its level of exposure.

4.4.2 The general toxicological profile

Sufficient information to assess the safety of the finished cosmetic product must be procured. The hazardous effects of the individual substances must be assessed based on the criteria of the harmfulness of the substances .It is the intention that the retrieval in the traditional toxicological literature regarding the ingredients should form sufficient basis of the assessment of the finished product without having to test the finished product on animals or human beings. However, as described below, further tests may in certain cases be necessary.

If the ingredients are used in the way specified, the safety assessment of the substance in question can as a rule be made with reference to the fact that the substance has been approved for the purpose in question.

It should, however, be emphasised that it is always the company which places a cosmetic product on the market which is responsible for the safety of the product. Therefore, when assessing the safety of any new, commonly known information on the properties of a substance should be taken into account, if such information is considered to be of importance to the safety of the product.

It is important that the toxicological profiles for the substances are adapted to the technical progress in this field.

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4.4.2.1 Assesment of toxicological profile

The assessment of the toxicological effects of the substances is the first step in the safety assessment. The safety assessment must be based on data on the substances and the test results regarding the properties mentioned below.

There may be instances when it does not appear to be necessary or to be technically possible to provide the information: In such cases scientific justification needs to be given.

1. Acute toxicity.
2. Skin absorption.
3. Skin irritation.
4. Mucous membrane irritation.
5. Skin sensitisation
6. Sub-chronic toxicity.
7. Mutagenicity.
8. Phototoxicity and photomutagenicity (only in case of UV-light absorbing substances).
9. Human data (if available)
10. Toxicokinetics.
11. Teratogenicity, reproduction toxicity, carcinogenicity, and additional genotoxicity.

Tests ought to be conducted by using a substance with the same chemical and physical characteristics as can be found in the finished product.

When using a known raw material in a new connection the published data of the raw material must be assessed carefully, as it might have been tested as an ingredient in the type of product of which it usually forms part.

4.4.2.2 Safety assessment

The safety assessment of a cosmetic product to a considerable extent depends on its route of application. The route of application of the product has an influence on how much of the product - and in this connection - how much of each ingredient can be ingested, inhaled or absorbed through skin and mucous membranes. Further, the amount of each ingredient in the

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individual product has an influence on the safety assessment.

The safety assessment of the final cosmetic products can generally be made based on the knowledge of the toxicity of the individual ingredients. In special cases supplementary information might, however, be necessary:

a) If skin penetration or the irritating effects of the substance are increased because of the fact that the ingredients in the cosmetic product in question have another influence on the substance than the solution used in the previous tests of the substance.
b) If a new dangerous substance may develop when mixing the individual ingredients and can be proved in the final cosmetic product.

Test procedures

The information can be obtained from data retrieved by means of internationally recognized test procedures. Data can also be obtained from recognized validated alternative test procedures in vitro (in e.g. tissue or cells from living organisms), or, when alternative procedures are not recognized or exist, from in vivo tests (in living animals).

If human clinical observations exist, these should also be assessed. Human data can be retrieved from:

- specific toxicological studies or from studies performed for other regulatory purposes, e.g. for working environment purposes;
- the supplier of the raw materials supplemented by data retrieved from databases or published literature.

Also data from previous consumer surveys may be of value in this con- nection, just as experience and reports regarding undesirable effects of the product .

For all relevant impurities the allowed maximum concentration of the impurities should be defined based on toxicological data.

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It is the responsibility of the manufacturer that there are no other impurities or major amounts of impurities than those, which are chemically defined or technologically unavoidable, which may influence the safety of the finished product

4.4.2.3 Risk Assessment

Before a safety assessment and a risk assessment of a cosmetic product can be initiated, the degree and route of application must be described thoroughly. This cannot be done generally, but must be done case-by- case, all dependent on the unique composition and use of the individual product. An evaluation of whether the application of a cosmetic product can be considered safe for especially vulnerable groups such as children, must as a principal rule form part of the risk assessment. At least, the following factors in the risk assessment must be considered before weighting the individual ingredients:

a) Type of cosmetic product, such as shampoo, sunscreens, toothpaste.
b) Method of application, e.g. rub-in, rinse-off or non-rinse-off, spray, brush
c) The concentration of each ingredient in the product.
d) The amount of the product applied at normal use.
e) The frequency of the applications, short-term-/long-term use.
f) The total skin area of the body to which the product is applied.
g) The type of application area, e.g. mucous membranes, sunburned skin, lips.
h) The duration of contact, e.g. in connection with rinse-off products.
i) Foreseeable misuse which may increase the exposure.
j) Type of consumer, e.g. children, old people, people with sensitive skin.
k) Amount, which may enter the body and be absorbed.

Which exposure is relevant in connection with the safety evaluation of each product/substance depends on the toxic effect examined. As to toxic effects such as skin irritation or photo toxicity it will be important to know the

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exposure of the substances per unit of the skin area, whereas for a systemic toxic effect the exposure per unit of the body weight will be relevant.

The way or ways of exposure (e.g. skin, skin exposed to sunlight, mucous membranes, ingestion or inhalation) must be considered at every risk assessment of the products, or when setting up a test program. Other possible ways of exposure than those for which the product is intended must be considered when assessing the safety of the product,e.g. inhalation of hair spray, ingestion of lipsticks etc. Other possible exposure to problematic substances from other sources than those from the cosmetic product should also form part of the risk assessment.

Further, the use of cosmetic products is dependent on many factors, such as season, fashion, age, habits, income, and novelty value. As many of these factors will change in time it will not be possible to stick to a specific level of exposure for each type of cosmetic product. The safety evaluation should therefore be made individually for the products in question.

5.0 Proof of claimed effects

In general, the following data must be accessible:

5.1 Proof of the effect claimed for the cosmetic product where justified by the nature of the effect or product.

It is of special importance to be able to document effects, which may have influence on the health of the consumer of the product. As an example of this can be mentioned the sun protection factor in sunscreens for which it must be documented that the sun protection factor provides the claimed safety. Further, a number of other effects may be of significance to health.
If a cosmetic product is claimed to have a specific effect, which makes the consumer expect quite special results, this must also be documented, even if the effect is of no importance in relation to health.

The claimed effect of a cosmetic product must be proved on the basis of scientifically correct testing. In the following a number of principles for correct testing will be described. Annex 3 to this guideline represents the technical background and gives an analysis of methods and principles of efficacy testing.

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The principles used for the evaluation and documentation of the effects and adverse effects of medical and non-medicinal treatment are immediately applicable for cosmetic products.
The test report must as a minimum contain a description of:

a) Raw materials tested.
b) Name, title, qualifications and possibly curriculum vitae of the scientist in charge of the tests.
c) Method used for the retrieval of information.
d) Criteria for the assessment
e) Other conditions for the implementation of the test, e.g. frequency and duration of application, -area, -amount etc.

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ANNEXURE 1: LABEL WARNINGS EXAMPLES OF WARNING STATEMENTS

Identifying a product as being intended for use exclusively by adults are: "Keep out of reach of children or for adult use only.

Aerosol Products - Cosmetic aerosol products must bear the following label statement

Warning –

Avoid spraying in eyes.
Contents under - pressure. Do not puncture or incinerate.
Do not store at temperature above 120 degrees.
Keep out of reach of children.

Feminine Deodorant Sprays

Products whose labelling states or suggests that the product is for use in the female genital area or for use all over the body must bear the following label statement.

For external use only. Spray at least 8 inches from skin. Do not apply to broken, or irritated, or itching skin. Persistent, unusual odour or discharge may indicate conditions for which a physician should be consulted. Discontinue use immediately if rash, irritation, or discomfort develops.

Bubble Bath Products

A foaming detergent bath product (bubble bath product) is defined as any product intended to be added to the bath for the purpose of producing foam and containing a surface-active agent serving as a detergent or foaming agent. Children's bubble bath products, and all foaming detergent bath products, not labelled as intended for use exclusively by adults, should bear adequate directions for safe use and this caution:

Use only as directed. Excessive use or prolonged exposure may cause irritation to the skin and urinary tract. Discontinue use if rash, redness, or itching occur. Consult your physician if irritation persists. Keep out of reach of children.

Products containing Oestrogenic Hormones placental Extract or Vitamins:

Products containing estrogen, estrone, estradiol, progesterone, placental extract or vitamins may be considered drugs, particularly if the label declaration is supplemented with standards implying prevention or treatment of disease or effect on the structure or any function of the human body.

The oestrogen content of an OTC product be it a drug or a ~~drug as well as a~~

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cosmetic may not exceed 10,000 IU / ounce. Users must be directed to limit the amount of product applied daily so that no more than 20,000 IU or equivalent be used per month.

Suntan Products:
They should have the warning statement – If itching, or rash occurs stop using and consult your doctor

Anti dandruff preparations containing aluminium pyrithione

Should carry the warning statement.

i) Avoid contact with eyes
ii) Stop using if a rash or irritation occurs.
iii) Do not use in children under 6 years.

Products containing aluminium acetate (0.13% - 0.5%)
Should carry the warning statement "For external use only. Avoid contact with the eyes"

Products containing Hamamelis water
Should carry the warning statement "For external use only. Avoid contact with the eyes"

Topically applied cosmetic products containing alpha hydroxy acids (AHAs)

AHAs may increase the sensitivity of skin to the sun while the products are used and for up to a week after use is stopped, and that this increased skin sensitivity to the sun may increase the possibility of sunburn. Alphahydroxy acids are organic acids with a hydroxyl group on the carbon adjacent to the carboxylic acid group. The predominant AHAs present in cosmetic products are glycolic acid and lactic acid. Other AHAs used in cosmetic products include citric acid,hydroxyoctanoic acid, and hydroxydecanoic acid.

Labeling of a cosmetic product that contains an AHA as an ingredient and is intended for topical application to the skin or mucous membrane should bear a statement that conveys the following information:

“Sunburn Alert: This product contains an alpha hydroxy acid (AHA) that may increase your skin's sensitivity to the sun and particularly the possibility of sunburn. Use a sunscreen and limit sun exposure while using

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this product and for a week afterwards."

Antibacterial products: Skin care Antibacterial skin products

The product must:

a) be presented as being active only against bacteria; and

b) not be presented as being:

i) active against viruses, fungi or other microbial organisms (other than bacteria); or

ii) for use in connection with disease, disorders or medical conditions; or

iii) active against a named bacterium that is known to be associated with a disease, disorder or medical condition; or

iv) for use in connection with piercing of the skin or mucous membrane, for cosmetic or any other purpose; or

v) for use in connection with any procedure associated with the risk of transmission of disease from contact with blood orother bodily fluids; or

vi) for use before physical contact with a person who is accessing medical or health services, or who is undergoing any medical or health care procedure; or

vii) for use in connection with a procedure involving venipuncture or delivery of an injection

Anti-acne products (including spot treatments, cleansers, face scrubs and masks)

The product must be presented as controlling or preventing acne only through cleansing, moisturising, exfoliating or drying the skin.

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ANNEXURE 2: COSMETIC CLAIMS GUIDANCE

ACCEPTABLE VERSUS UNACCEPTABLE LABEL CLAIMS

A claim can be a word, a sentence, a paragraph, or simply an implication. The following tables show examples of acceptable and unacceptable claims. Column A contains claims that are clearly acceptable for a cosmetic while column C contains claims that are clearly unacceptable for a cosmetic. Column b is in between and the choice of words could make it acceptable or not. These examples should be taken only as a guide and are not to be taken as the final authority.

	Column A **Acceptable wording for a cosmetic**	**Column B** **May be acceptable if modified to provide a cosmetic implication**	**Column C** **Unacceptable wording for a cosmetic (but not necessarily acceptable for a drug)**
Active ingredient	cosmetic active ingredient		medicinal (therapeutic) ingredient
Ageing, anti-wrinkle	. cover up (hide) age spots (blemishes, dark pigmented areas) . feel (look) younger (youthful) . helps prevent (reduce, slow) the signs (appearance) of ageing (age lines, premature ageing) . moisturize	. temporarily reduces depth of wrinkles by moisturisation anti-ageing (anti-wrinkle)	. any references to fading age spots (depigmentation leaching of the skin) . eliminates (prevents. Stops. Reduces, slows, reverses) ageing (wrinkles, premature ageing, ageing process)

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	ageing skin . smoothes wrinkles		
Astringent	Refreshes * (warms, cools, tightens, tones) skin	Energizes (stimulates, invigorates) skin **	. decongests skin . removes toxins . stimulates circulation
Bio, biological		bio (biological)	• action (mechanism) due to biological/physiological activity • bio active (cellular) • biological performance (function) • growth (repair) (metabolism) (structural change)
Comedomes, acne, pimples, blackheads	• cleanser for acne-prone skin • cover (hide) comedones (acne, blemishes) • removes oil		prevent (stop) (heal) comedones (pimples) (acne) (blemishes)
Counter creams ***			• any reference to treatment reduction) of cellulite (orange peel skin)

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			• enhances (smoothes) (contours)

			your silhouette . lose inches, removes fat, . reduces (controls) puffiness (swelling) (oedema) . restructures skin . slimming . tighten (firm) sagging skin (eyelids) (chin) (muscles)
* Usually contains alcohol or equivalent ** Cosmetic sense of astringent by means of physical surface effect (e.g. aftershave lotion) *** See also - Astringent, skin			
Subject	**Column A** **Acceptable wording for a cosmetic**	**Column B** **Maybe acceptable if modified to provide a cosmetic implication**	**Column C** **Unacceptable wording for a cosmetic (but not necessarily acceptable for a drug)**
Dentifrice - toothpastes	. cleans (whitens, brightens polishes) teeth . removes stain . prevent (reduce) plaque		. any implication of effect below the gumline . references to abscess, antiseptic action, gumboil, gingivitis, inflammation of gums, mouth ulcers, periodontitis, pyorrhoea, periodontal disease, sensitivity, stomatitis,

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	(tartar) build-up (deposit) by brushing (other mechanical means) . helps maintain healthy teeth and gums . tooth decay - fluoride protects against, reduces cavities		thrush
Hair	• removes (washes) (cleans) loose dandruff (flakes) from the hair. • Add body to (colour) (after shape of) hair • Help make hair look thicker (fuller) • Revitalise appearance (look) of hair, restore	□□makes your hair stronger	• control (eliminate) dandruff • dandruff (anti-dandruff) shampoo (formula) • alopecia • prevent (stop) (cure) hair loss, hair thinning (baldness) • replace thinning hair • restore hair cells • stimulate hair follicles (growth)

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	beauty (luster) (sheen) tot he hair • Promotion luster		

	Column A **Acceptable wording for a cosmetic**	**Column B** **Maybe acceptable if modified to provide a cosmetic implication**	**Column C** **Unacceptable wording for a cosmetic (but not necessarily acceptable for a drug)**
Healthy	. healthy ** looking (healthy rowing) appearance . feels healthy		. healthy (healthy tan) . promotes (restores) health
Mouthwash	. fight (reduce) (end) bad breath (mouth odours) . helps eliminate (kill) odour causing bacteria (bacteria that cause	references to plaque or tartar (see under Dentifrice)	. antiseptic (antiviral) germicide . kills pathogens (germs) (odour-causing germs) . antibacterial (antimicrobial)

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	bad breath)		
Nails	repair fingernails	reference to growth resulting from protection of fingernails (eg. by a nail hardener)	reference to growth resulting from nourishing fingernails
Nourish		nurture (take care of)	nourish (in the sense of promoting growth) (skin) (hair) (fingernails) (tissue)
Perfumes (fragrances, colognes, toilet water)			• any implication of hormonal attraction • reference to relieving stress or improving physical well being (i.e health)
Relax	relax (moisturize) skin (taut skin)	reference to relaxing the body (unless this is in the sense of bath oil a warm bath)	• relax muscles • promotes skin respiration
Repair	repair beauty (appearance)		
Respiration	reference to non-clogging , letting skin breath		• cellular respiratory factor • promotes skin respiration
Revitalize	• moisturize the skin so that complexion looks radiant • revitalize the appearan	revitalize (skin) (scalp) (hair)	rejuvenate, revitalize living tissue (eg hair follicles) living cells

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	ce (the look) of skin, hair, scalp, face		
Skin - (Cleansers , soap)	• helps eliminate odour caused by bacteria • cleanse oily skin • removes top layer of dead skin • cleans all types of skin (not just oily) • cleans skin • clarify, purity	purify	• antibacterial (antimicrobial) • antiseptic/disinfectant (fungicide) (germicide) (virucide) • reference to disease-causing organisms, kills pathogens • anti-blemish cream . cleans cuts (wounds) . helps control (treat) infection (jock itch

Subject	**Column A Acceptable wording for a cosmetic**	**Column B Maybe acceptable if modified to provide a cosmetic implication**	**Column C Unacceptable wording for a cosmetic (but not necessarily acceptable for a drug)**
Sun, suntan products, after - sun treatments, sun protection,	. gives skin a bronze (suntanned) colour	. reference to achieving your darkest tan with less time	. Helps protect (prevent) the skin against

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tanning acceleration	(appearance) (ie dyes)* . prevent (protects) against drying effects of the sun . moisturizer-type claims for after-sun moisturizing creams (e.g. soothes moisturizes) skin after tanning	in the sun. . Tan enhancer (magnifier)	burning (harmful effects of UV rays0 (sunburn) (photo ageing) . SPF number or sunscreen category description . Accelerates (speeds up) (activates) suntan . Pre-tan (tanning) accelerator reference to allowing you to stay out in the x times longer . screens (blocks) (filters) out some of the sun's UV (UVA/UV B/UVC) (harmful

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			rays)
Therapy, treatment	care	. bath (beauty) (dry skin) treatment (therapy) . treatment on surface of skin	• reference to disease control (treatment) (healing) • medicated (therapeut ic) • treatment for infections (burns)
Vitamininised cosmetics NB: orals vitamin supplements are regulated as medicines, as are topical products containing vitamins (e.g. creams) if intended for a therapeutic effect.			Any reference to the nutriet (therapeutic) effects of vitamins
Skin (Facial Peels)	. facial scrub . smooths (retextures) skin . removes top layer of dead skin	keratolytic	remove (reduce) scars (permanent markings)

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Skin - (Moisturizers)	. moisten (hydrate) (lubricate)(soften) skin dried (chapped) by the elements . long lasting protection . promotes elasticity (suppleness) . cools skin . desensitize razor-burned skin (eg .after shave lotion) . prevent (protect) skin (dry skin) (lips) chapped (dried) against the abuse of the elements (solvents)* . relieves (soothes) (softens) skin (dry skin) (lips) chapped (dried) by	. chapped skin . feel (look) young (youthful) . desensitize (makes less sensitive) . reduce (prevent) irritation . prevent (protect) damage (drying) . relieves (soothes) itching (due to dry skin) . soothing agent	. eference to numbering (pain) (analgesic effects) . relieves (soothes) abrasions (bites) (insect b (inflamed skin) (rashes)

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	wind (cold) (elements) . soothes skin, makes skin feel fresher, smoother . firms top layer of skin (temporary effect only)		

a) Barrier creams, for example

b) ** Soothes wind-burned skin, for example

Dyes, some barrier creams, self-tanners, sunless tanners for example. (This type of product should include a warning that it does not provide sun protection.)

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ANNEXURE 3: The required testing parameters for cosmetics

NB: All cosmetics should be tested for heavy metals

1. **Creams & Pastes:**
   - Microbial load
   - pH
   - Stability (14 days in $40^{O}C$)
   - Viscosity.
   - Moisture (% H_2O)

2. **Solutions:**
   - Microbial load.
   - pH
   - Stability (14 days in $40^{O}C$)
   - Density.

3. **Emulsions:**
   - Microbial load.
   - pH
   - Stability
   - Density.

4. **Aerosols:**
   - Microbial load.
   - Hermetic sealing
   - Content of propulsion gas

5. **Shampoos:**
   - Microbial load.
   - pH
   - Stability.
   - Viscosity.
   - Detergent content.
   - Nacl

6. **Pencils:**
   - Microbial load.

7. **Gels:**
   - Microbial load.

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- pH
- Stability.
- Density.
- Viscosity.

8. Tooth Pastes:

- % of fluoride
- Total amount of lead
- Microbial load.

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Annexure 4: GUIDELINES ON STABILITY TESTING OF COSMETIC PRODUCTS

I. GENERAL CONSIDERATIONS

1. INTRODUCTION

The purpose of stability testing cosmetic products is to ensure that a new or modified product meets the intended physical, chemical and microbiological quality standards as well as functionality and aesthetics when stored under appropriate conditions.

Because the development cycle of cosmetic products is relatively short, and also, in order that the testing activity does not become economically disproportionate in view of the multitude of product launches each year, each manufacturer must have at their disposal tests that are adapted to their activity. Each manufacturer should design their stability testing program such that it is reasonable and efficiently addresses the testing required.

This document aims to set out guidelines in order to predict and assure the stability of products in the market place. Its purpose is to aid manufacturers of cosmetic products in the selection and the refinement of the appropriate stability tests. Although this guideline can provide a helpful starting point, it is important that manufacturers carefully evaluate new products and technologies and, where appropriate, adapt their testing to reflect differences between product types and formulations.

However, all methods assuring the final stability of a cosmetic product against the categories cited in paragraph below, if it is at least equivalent to the recommendations of the following chapters, are considered as valid. Procedures must be put in place and documented within the manufacturer's internal system.

General Stability of a Cosmetic Product

Whether conducted in real time or under accelerated conditions, tests should be done in order to assure:

- Stability and physical integrity of cosmetic products under appropriate conditions of storage, transport and use,
- Chemical stability,
- Microbiological stability,
- The compatibility between the contents and the container.

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Moreover, concerning methodology, the manufacturer should, for each formula type, select the pertinent criteria according to their experience and evaluate these at one or more temperatures. The evolution of the test parameters should then be judged by the corresponding expert and a decision made for each criterion on the basis of the company's internal procedures and experience. An evaluation, based on all of the criteria should then allow for the predicted or real stability of the product to be deduced.

Because of the wide variety of cosmetic products and their inherent complexity, "standard" stability tests cannot be prescribed. Manufacturers, who have an intimate knowledge of their products and packages, require the flexibility to modify testing protocols and to build a sound scientific basis for assessing product stability. Thus, specific tests may be developed in order to predict possible evolutions of the product, to address new/ unusual technologies, or to be adapted to products having extended shelf lives.

Accelerated Stability Tests

Accelerated tests, developed because of the relatively short development cycle for cosmetic products, enable the prediction of stability. A commonly accepted practice is to support the forecasts obtained from accelerated stability testing by carrying out periodic post-launch monitoring of retained samples stored at ambient temperatures. The resultant information can also be useful in further improving the product and in refining the methodology used for accelerated stability testing.

2. DESIGNING A COSMETIC STABILITY STUDY

A stability study should include the following considerations (each of which will be discussed in more detail later):

• Identify tests that will "accelerate and predict" the effects of normal conditions of storage and use.

Where relevant, consider stresses, including temperature, that will enable assessment of product integrity under anticipated product exposure conditions.

• Consider evaluation of critical aesthetic properties such as color, fragrance, texture, and flow, particularly after exposure to conditions designed to stress each specific property.

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• Consider variation in process conditions.
• Consider the impact of packaging on the contained product, as well as any effects which the product might have on the packaging.

3. **PREDICTING SHELF LIFE**

There is very little generally-applicable published research to support specific accelerated methods for predicting cosmetic shelf life. Some of the reasons for this lack of information are:
• The variety and complexity of cosmetic formulas and packaging.
• The proprietary nature of many products and stability test methods.
• The variety of types of changes that need to be examined, including

physical, chemical, microbial, functional or aesthetic changes.

"Accelerated" Conditions

Accelerated test conditions are internationally recognized as appropriately predicting product shelf life in many industries.

Appropriate conditions, for example with regard to temperature and/or duration, should be chosen according to the product category and the in-house know-how and should be based on sound scientific judgment. Data acquired using various techniques at different temperatures and durations can be used, possibly in conjunction with the use of mathematical models, to predict stability.

Tests are often performed at 37°C, 40°C or 45°C during 1, 2, 3... months but the temperature used and the duration will depend on the product type. For instance, for certain product categories other temperatures may prove to be more useful.
Based on the accelerated stability results and on its scientific experience, a company may then be able to predict the actual stability for given market conditions.

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Scale-Up Stability Testing

In the early stages of product development, initial determinations of product stability can be made by testing samples from laboratory batches under appropriate conditions. As development progresses, it may be necessary to make more precise determinations of probable stability by testing samples from batches manufactured with equipment representative of that which will be used to manufacture the commercial product. Factors such as equipment type and configuration, process, batch size and product type need to be considered when developing a stability program.

Packaging

Packaging can directly affect finished product stability because of interactions which can occur between the product, the package, and the external environment. Such interactions mayinclude:
• Interactions between the product and the container (e.g. adsorption of product constituents into the container, corrosion, chemical reactions, migration);

• Barrier properties of the container (its effectiveness in protecting the contents from the adverse effects of atmospheric oxygen and/or water vapor, and in ensuring the retention of water and other volatile product constituents).

Stability testing should include packaging which is made of exactly the same material(s) and is as similar as possible in all other respects to the package in which the product will be marketed. If the product will be marketed in several different package types, it is advisable to study each package type. Where there is a range of package sizes, it is advisable to test the product in the smallest container. Appropriate controls (for example, product in glass containers) should be used. It may also be advisable to test the packaged product in various orientations (upright, inverted, on its side, etc.)

Parameter variability during product shelf life

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When designing a stability test protocol, it is important to bear in mind that as products age, their properties may change. Because of this fact, stability testing may need to involve testing of properties beyond those which will be evaluated for initial release testing. The assessment of the following criteria is given as an example and is neither exhaustive nor a minimum requirement as the tests will depend on the product category and the packaging type:

- Color, odor and appearance,
- Changes in the container,
- pH,
- Viscosity,
- Weight changes
- Microbial tests demonstrating the ability of the products to prohibit microbial growth during normal use and other specific tests if necessary,
- Analytical data in relation to other parameters for specific product types
- Confirmatory Monitoring
- Heavy metal test

As a general rule, it is advisable to employ confirmatory ("real-time") monitoring to gain additional assurance that the accelerated testing is truly predictive of market stability. Such monitoring should be carried out on the actual production product in the final package. Testing can be very simple (for example periodic visual monitoring of production retains stored at ambient temperature), or it can be more complex (conducting stability studies of production retains under controlled temperature conditions which parallel those used in the accelerated testing). Manufacturers may consider supplementing the information gained with such data as trade surveys and consumer feedback.

4. **PREDICTING FUNCTIONALITY UNDER STRESS CONDITIONS**

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This section describes approaches to predicting how well cosmetics will resist common stresses such as temperature extremes and light. Typically, manufacturers determine whether to perform such specialized testing based on the vulnerabilities of the particular cosmetic product and its anticipated shipping, storage, display and use conditions.

Temperature Variations and Extremes

Temperature cycling and/or "freeze-thaw" tests can reveal some types of inadequacies more quickly than can storage at a constant temperature. Freeze-thaw testing should be considered for certain types of products.

Examples of problems w hich can be detected by freeze - thaw testing include suspension problems (a tendency to crystallize or cloud), instability of emulsions and creams, package design issues (such as wrinkling or loss of labels, cracking or distortion), corrosion of internal lacquers in aluminum tubes, etc

As products can be expected to encounter temperature and pressure extremes during transport and storage, stability testing at these extremes should be considered, for example:

- Low-temperature testing, as well as freeze/ thaw testing.
- High-temperature testing.

Mechanical and Physical Tests

Mechanical shock testing is often conducted in order to determine whether or not shipping movements may damage the cosmetic and/or its packaging. Vibration testing can help to determine for example whether de-mixing (separation) of powders or granular products is likely to occur.

Light Stability

Cosmetics whose packaging may allow the product to be exposed to light should undergo light stability testing. The lighting used in testing should

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simulate the intensity to which the cosmetic will likely be exposed.

II. **DESIGNING A STABILITY STUDY: A PRACTICAL GUIDE**

General

The following section outlines a logical approach to designing a stability study which highlights key considerations. In reality, however, it is most likely that companies will have already set up programs for each product category based on their own experience (which would nevertheless fit with these principles). This step by step reflection would therefore only be applied to totally novel products or by companies performing stability studies on a particular category of cosmetic products for the first time.

- Consider that throughout the design process the basic principle is to provide data that will assure that the product continues to fulfill its initial function and be of appropriate quality through the course of its intended usage.
- Consider the characteristics/specifications of the product and define clearly what will be considered as acceptable stability, as this may vary across the wide range of cosmetic products and will be dependent on each company's internal procedures and experience.
- Consider the points in the process where the appropriate level of confidence has been reached. The fast cycle time for cosmetic products means that while confirmatory studies are continued a well-designed study should use experience and scientific expertise to answer the key questions about product stability.
- Consider existing data on similar products with similar packaging. The study of past data may give indications as to what areas of product stability the new program should focus to increase the effectiveness and efficacy of the program.

Specific Considerations

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Determine the parameters to be investigated in the study. These should be relevant to the product type, its specific formulation and package and should consider any specific legislative requirements. Not all parameters may need to be investigated at every sampling stage if this is reasonable based on experience and scientific principle.

Determine the relevant conditions under which the product could be stored. These should reflect the normal expected exposure of the product during its life cycle. In addition to testing product in the selected packaging, controls may be considered.

Throughout their life cycle products may be exposed to a number of different conditions during their storage, transport, retail and finally use by the consumer. A stability program should reflect the most likely conditions that will be experienced and attempt to replicate them. Possible areas to be considered may be temperature, light, humidity or physical effects.

Determine the packaging in which the product should be stored in order to simulate actual marketed products as closely as possible.

Determine what characteristics and potential interactions of the product and package should be inspected and/or tested. Consideration of the formulation and the package type, size and material should lead to identification of possible areas of interaction that may need to be investigated.

Determine the type of batch to be tested (e.g. laboratory, pilot, or production) so that the product may be representative of commercial production.

Determine the range of product shades or fragrances that need to be included in the study. Where there are a large number of shades or fragrance variants it may be appropriate to run stability on a subsection of the total product line.

Determine the frequency of product inspection/testing. It is important to work out what the appropriate frequency of product sampling and testing is throughout the stability program. Adequate amounts of product should be placed to meet these requirements with significant over provision in case retesting is required.

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Determine the nature of any controls that should be included. The choice of products to place on stability to compare against, if required, should be based on the understanding of the stability of those controls and should be set up to investigate specific parameters.

Ensure that plans are in place for the collation and storage of stability data and have a process for next steps based on this data.

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ANNEX 5: List of substances prohibited in Cosmetic Preparations

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1	N-(5-Chlorobenzoxazol-2-yl) acetamide	35783-57-4	
2	(*2*-Acetoxyethyl) trimethylammonium hydroxide (Acetylcholine) and its salts	51-84-3	200-128-9
3	Deanol aceglumate (INN)	3342-61-8	222-085-5
4	Spironolactone (INN)	52-01-7	200-133-6
5	[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid (Tiratricol (INN)) and its salts	51-24-1	200-086-1
6	Methotrexate (INN)	59-05-2	200-413-8
7	Aminocaproic acid (INN) and its salts	60-32-2	200-469-3
8	Cinchophen (INN), its salts, derivatives and salts of these derivatives	132-60-5	205-067-1
9	Thyropropic acid (INN) and its salts	51-26-3	
10	Trichloroacetic acid	76-03-9	200-927-2
11	*Aconitum napellus* L. (leaves, roots and galenical preparations)	84603-50-9	283-252-6
12	Aconitine (principal alkaloid of *Aconitum napellus* L.) and its salts	302-27-2	206-121-7
13	*Adonis vernalis* L. and its preparations	84649-73-0	283-458-6
14	Epinephrine (INN)	51-43-4	200-098-7
15	*Rauwolfia serpentina* L., alkaloids and their salts	90106-13-1	290-234-1
16	Alkyne alcohols, their esters, ethers and salts		
17	Isoprenaline (INN)	7683-59-2	231-687-7
18	Allyl isothiocyanate	57-06-7	200-309-2
19	Alloclamide (INN) and its salts	5486-77-1	
20	Nalorphine (INN), its salts and ethers	62-67-9	200-546-1
21	Sympathicomimetic amines acting on the central nervous system: any substance contained in the first list of medicaments which are subject to medical prescription and are referred to in resolution AP (69) 2 of the Council of Europe	300-62-9	206-096-2
22	Aniline, its salts and its halogenated and sulphonated derivatives	62-53-3	200-539-3
23	Betoxycaine (INN) and its salts	3818-62-0	
24	Zoxazolamine (INN)	61-80-3	200-519-4
25	Procainamide (INN), its salts and derivatives	51-06-9	200-078-8
26	Benzidine	92-87-5	202-199-1
27	Tuaminoheptane (INN), its isomers and salts	123-82-0	204-655-5
28	Octodrine (INN) and its salts	543-82-8	208-851-1
29	2-Amino-1,2-bis(4-methoxyphenyl)ethanol and its salts	530-34-7	
30	1,3-Dimethylpentylamine and its salts	105-41-9	203-296-1
31	4-Aminosalicylic acid and its salts	65-49-6	200-613-5

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
32	Toluidines, their isomers, salts and halogenated and sulphonated derivatives	26915-12-8	248-105-2
33	Xylidines, their isomers, salts and halogenated and sulphonated derivatives	1300-73-8	215-091-4
34	Imperatorin (9-(3-methylbut-2-enyloxy)furo[3,2-g]chromen-7-one)	482-44-0	207-581-1
35	*Ammi majus* L. and its galenical preparations	90320-46-0	291-072-4
36	2,3-Dichloro-2-methylbutane	507-45-9	
37	Substances with androgenic effect		
38	Anthracene oil	120-12-7	204-371-1
39	Antibiotics		
40	Antimony and its compounds	7440-36-0	231-146-5
41	*Apocynum cannabinum* L. and its preparations	84603-51-0	283-253-1
42	Apomorphine ((R) 5,6,6a,7-tetrahydro-6-methyl-4*H*-dibenzo[de,g]quinoline-10,11-diol) and its salts	58-00-4	200-360-0
43	Arsenic and its compounds	7440-38-2	231-148-6
44	*Atropa belladonna* L. and its preparations	8007-93-0	232-365-9
45	Atropine, its salts and derivatives	51-55-8	200-104-8
46	Barium salts, with the exception of barium sulphide under the conditions laid down in Annex III, and of barium sulfate, lakes, salts and pigments prepared from colouring agents when listed in Annex IV		
47	Benzene	71-43-2	200-753-7
48	Benzimidazol-2(3*H*)-one	615-16-7	210-412-4
49	Benzazepines and benzodiazepines	12794-10-4	
50	1-Dimethylaminomethyl-1-methylpropyl benzoate (amylocaine) and its salts	644-26-8	211-411-1
51	2,2,6-Trimethyl-4-piperidyl benzoate (eucaine) and its salts	500-34-5	
52	Isocarboxazid (INN)	59-63-2	200-438-4
53	Bendroflumethiazide (INN) and its derivatives	73-48-3	200-800-1
54	Beryllium and its compounds	7440-41-7	231-150-7
55	Bromine, elemental	7726-95-6	231-778-1
56	Bretylium tosilate (INN)	61-75-6	200-516-8
57	Carbromal (INN)	77-65-6	201-046-6
58	Bromisoval (INN)	496-67-3	207-825-7
59	Brompheniramine (INN) and its salts	86-22-6	201-657-8
60	Benzilonium bromide (INN)	1050-48-2	213-885-5
61	Tetrylammonium bromide (INN)	71-91-0	200-769-4
62	Brucine	357-57-3	206-614-7
63	Tetracaine (INN) and its salts	94-24-6	202-316-6
64	Mofebutazone (INN)	2210-63-1	218-641-1
65	Tolbutamide (INN)	64-77-7	200-594-3

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
66	Carbutamide (INN)	339-43-5	206-424-4
67	Phenylbutazone (INN)	50-33-9	200-029-0
68	Cadmium and its compounds	7440-43-9	231-152-8
69	Cantharides, *Cantharis vesicatoria*	92457-17-5	296-298-7
70	Cantharidine	56-25-7	200-263-3
71	Phenprobamate (INN)	673-31-4	211-606-1
72	Nitroderivatives of carbazole		
73	Carbon disulphide	75-15-0	200-843-6
74	Catalase	9001-05-2	232-577-1
75	Cephaeline and its salts	483-17-0	207-591-6
76	Chenopodium ambrosioides L. (essential oil)	8006-99-3	
77	2,2,2-Trichloroethane-1,1-diol	302-17-0	206-117-5
78	Chlorine	7782-50-5	231-959-5
79	Chlorpropamide (INN)	94-20-2	202-314-5
80	Moved or deleted		
81	4-Phenylazophenylene-1,3-diamine citrate hydrochloride (chrysoidine citrate hydrochloride)	5909-04-6	
82	Chlorzoxazone (INN)	95-25-0	202-403-9
83	2-Chloro-6-methylpyrimidin-4-yldimethylamine (crimidine-ISO)	535-89-7	208-622-6
84	Chlorprothixene (INN) and its salts	113-59-7	204-032-8
85	Clofenamide (INN)	671-95-4	211-588-5
86	N,N-bis(2-chloroethyl)methylamine N-oxide and its salts	126-85-2	
87	Chlormethine (INN) and its salts	51-75-2	200-120-5
88	Cyclophosphamide (INN) and its salts	50-18-0	200-015-4
89	Mannomustine (INN) and its salts	576-68-1	209-404-3
90	Butanilicaine (INN) and its salts	3785-21-5	
91	Chlormezanone (INN)	80-77-3	201-307-4
92	Triparanol (INN)	78-41-1	201-115-0
93	2-[2(4-Chlorophenyl)-2-phenylacetyl]indane-1,3-dione (chlorophacinone-ISO)	3691-35-8	223-003-0
94	Chlorphenoxamine (INN)	77-38-3	
95	Phenaglycodol (INN)	79-93-6	201-235-3
96	Chloroethane	75-00-3	200-830-5
97	Chromium; chromic acid and its salts	7440-47-3	231-157-5
98	Claviceps purpurea Tul., its alkaloids and galenical preparations	84775-56-4	283-885-8
99	Conium maculatum L. (fruit, powder, galenical preparations)	85116-75-2	285-527-6
100	Glycyclamide (INN)	664-95-9	211-557-6

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
101	Cobalt benzenesulphonate	23384-69-2	
102	Colchicine, its salts and derivatives	64-86-8	200-598-5
103	Colchicoside and its derivatives	477-29-2	207-513-0
104	Colchicum autumnale L. and its galenical preparations	84696-03-7	283-623-2
105	Convallatoxin	508-75-8	208-086-3
106	Anamirta cocculus L. (fruit)		
107	Croton tiglium L. (oil)	8001-28-3	
108	1-Butyl-3-(N-crotonoylsulphanilyl)urea	52964-42-8	
109	Curare and curarine	8063-06-7/ 22260-42-0	232-511-1/ 244-880-6
110	Synthetic curarizants		
111	Hydrogen cyanide and its salts	74-90-8	200-821-6
112	Feclemine (INN); 2-(alpha-Cyclohexylbenzyl)-N,N,N',N'-tetraethyl-1,3-propanediamine	3590-16-7	
113	Cyclomenol (INN) and its salts	5591-47-9	227-002-6
114	Sodium hexacyclonate (INN)	7009-49-6	
115	Hexapropymate (INN)	358-52-1	206-618-9
116	Moved or deleted		
117	O,O'-Diacetyl-N-allyl-N-normorphine	2748-74-5	
118	Pipazetate (INN) and its salts	2167-85-3	218-508-8
119	5-(α,β-Dibromophenethyl)-5-methylhydantoin	511-75-1	208-133-8
120	N,N'-Pentamethylenebis(trimethylammonium) salts, e. g. pentamethonium bromide (INN)	541-20-8	208-771-7
121	N,N'-[(Methylimino)diethylene]bis(ethyldimethylammonium) salts, e. g. azamethonium bromide (INN)	306-53-6	206-186-1
122	Cyclarbamate (INN)	5779-54-4	227-302-7
123	Clofenotane (INN); DDT (ISO)	50-29-3	200-024-3
124	N,N'-Hexamethylenebis(trimethylammonium) salts, e. g. hexamethonium bromide (INN)	55-97-0	200-249-7
125	Dichloroethanes (ethylene chlorides) e.g. 1,2-Dichloroethane	107-06-2	203-458-1
126	Dichloroethylenes (acetylene chlorides) e.g. Vinylidene chloride (1,1-Dichloroethylene)	75-35-4	200-864-0
127	Lysergide (INN) (LSD) and its salts	50-37-3	200-033-2
128	2-Diethylaminoethyl 3-hydroxy-4-phenylbenzoate and its salts	3572-52-9	222-686-2
129	Cinchocaine (INN) and its salts	85-79-0	201-632-1
130	3-Diethylaminopropyl cinnamate	538-66-9	
131	O,O'-Diethyl-O-4-nitrophenyl phosphorothioate (Parathion - ISO)	56-38-2	200-271-7
132	[Oxalylbis(iminoethylene)]bis[(o-	115-79-7	204-107-5

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	chlorobenzyl)diethylammonium] salts, e. g. ambenonium chloride (INN)		
133	Methyprylon (INN) and its salts	125-64-4	204-745-4
134	Digitaline and all heterosides of Digitalis purpurea L.	752-61-4	212-036-6
135	7-[2-Hydroxy-3-(2-hydroxyethyl-N-methylamino)propyl]theophylline (xanthinol)	2530-97-4	
136	Dioxethedrin (INN) and its salts	497-75-6	207-849-8
137	Piprocurarium iodide (INN)	3562-55-8	222-627-0
138	Propyphenazone (INN)	479-92-5	207-539-2
139	Tetrabenazine (INN) and its salts	58-46-8	200-383-6
140	Captodiame (INN)	486-17-9	207-629-1
141	Mefeclorazine (INN) and its salts	1243-33-0	
142	Dimethylamine	124-40-3	204-697-4
143	1,1-Bis(dimethylaminomethyl)propyl benzoate (amydricaine, alypine) and its salts	963-07-5	213-512-6
144	Methapyrilene (INN) and its salts	91-80-5	202-099-8
145	Metamfepramone (INN) and its salts	15351-09-4	239-384-1
146	Amitriptyline (INN) and its salts	50-48-6	200-041-6
147	Metformin (INN) and its salts	657-24-9	211-517-8
148	Isosorbide dinitrate (INN)	87-33-2	201-740-9
149	Malononitrile	109-77-3	203-703-2
150	Succinonitrile	110-61-2	203-783-9
151	Dinitrophenol isomers	51-28-5/ 329-71-5/ 573-56-8/ 25550-58-7	200-087-7/ 206-348-1/ 209-357-9/ 247-096-2
152	Inproquone (INN)	436-40-8	
153	Dimevamide (INN) and its salts	60-46-8	200-479-8
154	Diphenylpyraline (INN) and its salts	147-20-6	205-686-7
155	Sulfinpyrazone (INN)	57-96-5	200-357-4
156	N-(3-Carbamoyl-3,3-diphenylpropyl)-N,N-diisopropylmethyl- ammonium salts, e. g. isopropamide iodide (INN)	71-81-8	200-766-8
157	Benactyzine (INN)	302-40-9	206-123-8
158	Benzatropine (INN) and its salts	86-13-5	
159	Cyclizine (INN) and its salts	82-92-8	201-445-5
160	5,5-Diphenyl-4-imidazolidone (Doxenitoin (INN))	3254-93-1	221-851-6
161	Probenecid (INN)	57-66-9	200-344-3
162	Disulfiram (INN); thiram (INN)	97-77-8/ 137-26-8	202-607-8/ 205-286-2
163	Emetine, its salts and derivatives	483-18-1	207-592-1
164	Ephedrine and its salts	299-42-3	206-080-5

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Reference number	Substance identification		
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a	b	c	d
165	Oxanamide (INN) and its derivatives	126-93-2	
166	Eserine or physostigmine and its salts	57-47-6	200-332-8
167	Esters of 4-aminobenzoic acid, with the free amino group, with the exception of that given in Annex VI		
168	Choline salts and their esters, e. g. choline chloride (INN)	67-48-1	200-655-4
169	Caramiphen (INN) and its salts	77-22-5	201-013-6
170	Diethyl 4-nitrophenyl phosphate (Paraoxon - ISO)	311-45-5	206-221-0
171	Metethoheptazine (INN) and its salts	509-84-2	
172	Oxpheneridine (INN) and its salts	546-32-7	
173	Ethoheptazine (INN) and its salts	77-15-6	201-007-3
174	Metheptazine (INN) and its salts	469-78-3	
175	Methylphenidate (INN) and its salts	113-45-1	204-028-6
176	Doxylamine (INN) and its salts	469-21-6	207-414-2
177	Tolboxane (INN)	2430-46-8	
178	4-Benzyloxyphenol and 4-ethoxyphenol	103-16-2/ 622-62-8	203-083-3/ 210-748-1
179	Parethoxycaine (INN) and its salts	94-23-5	205-246-4
180	Fenozolone (INN)	15302-16-6	239-339-6
181	Glutethimide (INN) and its salts	77-21-4	201-012-0
182	Ethylene oxide	75-21-8	200-849-9
183	Bemegride (INN) and its salts	64-65-3	200-588-0
184	Valnoctamide (INN)	4171-13-5	224-033-7
185	Haloperidol (INN)	52-86-8	200-155-6
186	Paramethasone (INN)	53-33-8	200-169-2
187	Fluanisone (INN)	1480-19-9	216-038-8
188	Trifluperidol (INN)	749-13-3	
189	Fluoresone (INN)	2924-67-6	220-889-0
190	Fluorouracil (INN)	51-21-8	200-085-6
191	Hydrofluoric acid, its normal salts, its complexes and hydrofluorides with the exception of those given in Annex III	7664-39-3	231-634-8
192	Furfuryltrimethylammonium salts, e. g. furtrethonium iodide (INN)	541-64-0	208-789-5
193	Galantamine (INN)	357-70-0	
194	Progestogens		
195	1,2,3,4,5,6-Hexachlorocyclohexane (BHC-ISO)	58-89-9	200-401-2
196	(1R,4S,5R,8S)-1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8, 8a-octahydro-1,4:5,8-dimethano-naphthalene (endrin-ISO)	72-20-8	200-775-7
197	Hexachloroethane	67-72-1	200-666-4

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
198	(1R,4S,5R,8S)-1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1, 4:5,8-dimethanonaphthalene (isodrin-ISO)	465-73-6	207-366-2
199	Hydrastine, hydrastinine and their salts	118-08-1/ 6592-85-4	204-233-0/ 229-533-9
200	Hydrazides and their salts e.g. Isoniazid (INN)	54-85-3	200-214-6
201	Hydrazine, its derivatives and their salts	302-01-2	206-114-9
202	Octamoxin (INN) and its salts	4684-87-1	
203	Warfarin (INN) and its salts	81-81-2	201-377-6
204	Ethyl bis(4-hydroxy-2-oxo-1-benzopyran-3-yl)acetate and salts of the acid	548-00-5	208-940-5
205	Methocarbamol (INN)	532-03-6	208-524-3
206	Propatylnitrate (INN)	2921-92-8	220-866-5
207	4,4'-Dihydroxy-3,3'-(3-methylthiopropylidene) dicoumarin		
208	Fenadiazole (INN)	1008-65-7	
209	Nitroxoline (INN) and its salts	4008-48-4	223-662-4
210	Hyoscyamine, its salts and derivatives	101-31-5	202-933-0
211	Hyoscyamus niger L. (leaves, seeds, powder and galenical preparations)	84603-65-6	283-265-7
212	Pemoline (INN) and its salts	2152-34-3	218-438-8
213	Iodine	7553-56-2	231-442-4
214	Decamethylenebis(trimethylammonium) salts, e. g. decamethonium bromide (INN)	541-22-0	208-772-2
215	Ipecacuanha (Cephaelis ipecacuanha Brot. and related species) (roots, powder and galenical preparations)	8012-96-2	232-385-8
216	(2-Isopropylpent4-enoyl)urea (apronalide)	528-92-7	208-443-3
217	α-Santonin [(3S,5aR,9bS)-3,3a,4,5,5a,9b-hexahydro-3,5a,9-trimethylnaphto [1,2-b] furan-2,8-dione]	481-06-1	207-560-7
218	Lobelia inflata L. and its galenical preparations	84696-23-1	283-642-6
219	Lobeline (INN) and its salts	90-69-7	202-012-3
220	Barbiturates		
221	Mercury and its compounds, except those special cases included in Annex V	7439-97-6	231-106-7
222	3,4,5-Trimethoxyphenethylamine (Mescaline) and its salts	54-04-6	200-190-7
223	Metaldehyde	9002-91-9	
224	2-(4-Allyl-2-methoxyphenoxy)-N,N-diethylacetamide and its salts	305-13-5	
225	Coumetarol (INN)	4366-18-1	224-455-1
226	Dextromethorphan (INN) and its salts	125-71-3	204-752-2
227	2-Methylheptylamine and its salts	540-43-2	
228	Isometheptene (INN) and its salts	503-01-5	207-959-6

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Reference number	Substance identification		
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a	**b**	**c**	**d**
229	Mecamylamine (INN)	60-40-2	200-476-1
230	Guaifenesin (INN)	93-14-1	202-222-5
231	Dicoumarol (INN)	66-76-2	200-632-9
232	Phenmetrazine (INN), its derivatives and salts	134-49-6	205-143-4
233	Thiamazole (INN)	60-56-0	200-482-4
234	3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H,5H-pyrano [3,2-c]-[1] benzopyran-5-one (cyclocoumarol)	518-20-7	208-248-3
235	Carisoprodol (INN)	78-44-4	201-118-7
236	Meprobamate (INN)	57-53-4	200-337-5
237	Tefazoline (INN) and its salts	1082-56-0	
238	Arecoline	63-75-2	200-565-5
239	Poldine metilsulfate (INN)	545-80-2	208-894-6
240	Hydroxyzine (INN)	68-88-2	200-693-1
241	2-Naphthol	135-19-3	205-182-7
242	1-and 2-Naphthylamines and their salts	134-32-7/ 91-59-8	205-138-7/ 202-080-4
243	3-(1-Naphthyl)-4-hydroxycoumarin	39923-41-6	
244	Naphazoline (INN) and its salts	835-31-4	212-641-5
245	Neostigmine and its salts e. g. neostigmine bromide (INN)	114-80-7	204-054-8
246	Nicotine and its salts	54-11-5	200-193-3
247	Amyl nitrites	110-46-3	203-770-8
248	Inorganic nitrites, with the exception of sodium nitrite	14797-65-0	
249	Nitrobenzene	98-95-3	202-716-0
250	Nitrocresols and their alkali metal salts	12167-20-3	
251	Nitrofurantoin (INN)	67-20-9	200-646-5
252	Furazolidone (INN)	67-45-8	200-653-3
253	Nitroglycerin; Propane-1,2,3-triyl trinitrate	55-63-0	200-240-8
254	Acenocoumarol (INN)	152-72-7	205-807-3
255	Alkali pentacyanonitrosylferrate (2-) e.g.	14402-89-2/ 13755-38-9	238-373-9 / -
256	Nitrostilbenes, their homologues and their derivatives		
257	Noradrenaline and its salts	51-41-2	200-096-6
258	Noscapine (INN) and its salts	128-62-1	204-899-2
259	Guanethidine (INN) and its salts	55-65-2	200-241-3
260	Oestrogens		
261	Oleandrin	465-16-7	207-361-5
262	Chlortalidone (INN)	77-36-1	201-022-5
263	Pelletierine and its salts	2858-66-4/	220-673-6/

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	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
		4396-01-4	224-523-0
264	Pentachloroethane	76-01-7	200-925-1
265	Pentaerithrityl tetranitrate (INN)	78-11-5	201-084-3
266	Petrichloral (INN)	78-12-6	
267	Octamylamine (INN) and its salts	502-59-0	207-947-0
268	Picric acid	88-89-1	201-865-9
269	Phenacemide (INN)	63-98-9	200-570-2
270	Difencloxazine (INN)	5617-26-5	
271	2-Phenylindan-1,3-dione (phenindione (INN))	83-12-5	201-454-4
272	Ethylphenacemide (pheneturide (INN))	90-49-3	201-998-2
273	Phenprocoumon (INN)	435-97-2	207-108-9
274	Fenyramidol (INN)	553-69-5	209-044-7
275	Triamterene (INN) and its salts	396-01-0	206-904-3
276	Tetraethyl pyrophosphate (TEPP - ISO)	107-49-3	203-495-3
277	Tritolyl phosphate	1330-78-5	215-548-8
278	Psilocybine (INN)	520-52-5	208-294-4
279	Phosphorus and metal phosphides	7723-14-0	231-768-7
280	Thalidomide (INN) and its salts	50-35-1	200-031-1
281	Physostigma venenosum Balf.	89958-15-6	289-638-0
282	Picrotoxin	124-87-8	204-716-6
283	Pilocarpine and its salts	92-13-7	202-128-4
284	α-Piperidin-2-ylbenzyl acetate, laevorotatory threoform (levofacetoperane (INN)) and its salts	24558-01-8	
285	Pipradrol (INN) and its salts	467-60-7	207-394-5
286	Azacyclonol (INN) and its salts	115-46-8	204-092-5
287	Bietamiverine (INN)	479-81-2	207-538-7
288	Butopiprine (INN) and its salts	55837-15-5	259-848-7
289	Lead and its compounds	7439-92-1	231-100-4
290	Coniine	458-88-8	207-282-6
291	Prunus laurocerasus L. ('cherry laurel water')	89997-54-6	289-689-9
292	Metyrapone (INN)	54-36-4	200-206-2
293	Radioactive substances, as defined by Directive 96/29/Euratom (1) laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation		
294	Juniperus sabina L. (leaves, essential oil and galenical preparations)	90046-04-1	289-971-1
295	Hyoscine, its salts and derivatives	51-34-3	200-090-3
296	Gold salts		

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
297	Selenium and its compounds with the exception of selenium disulphide under the conditions set out under reference No 49 in Annex III	7782-49-2	231-957-4
298	Solanum nigrum L. and its galenical preparations	84929-77-1	284-555-6
299	Sparteine (INN) and its salts	90-39-1	201-988-8
300	Glucocorticoids (Corticosteroids)		
301	Datura stramonium L. and its galenical preparations	84696-08-2	283-627-4
302	Strophantines, their aglucones and their respective derivatives	11005-63-3	234-239-9
303	Strophantus species and their galenical preparations		
304	Strychnine and its salts	57-24-9	200-319-7
305	Strychnos species and their galenical preparations		
306	Narcotics, natural and synthetic: All substances listed in Tables I and II of the single Convention on narcotic drugs signed in New York on 30 March 1961		
307	Sulphonamides (sulphanilamide and its derivatives obtained by substitution of one or more H-atoms of the -NH2 groups) and their salts		
308	Sultiame (INN)	61-56-3	200-511-0
309	Neodymium and its salts	7440-00-8	231-109-3
310	Thiotepa (INN)	52-24-4	200-135-7
311	Pilocarpus jaborandi Holmes and its galenical preparations	84696-42-4	283-649-4
312	Tellurium and its compounds	13494-80-9	236-813-4
313	Xylometazoline (INN) and its salts	526-36-3	208-390-6
314	Tetrachloroethylene	127-18-4	204-825-9
315	Carbon tetrachloride	56-23-5	200-262-8
316	Hexaethyl tetraphosphate	757-58-4	212-057-0
317	Thallium and its compounds	7440-28-0	231-138-1
318	Thevetia neriifolia Juss., glycoside extract	90147-54-9	290-446-4
319	Ethionamide (INN)	536-33-4	208-628-9
320	Phenothiazine (INN) and its compounds	92-84-2	202-196-5
321	Thiourea and its derivatives, with the exception of the one listed in Annex III	62-56-6	200-543-5
322	Mephenesin (INN) and its esters	59-47-2	200-427-4
323	Vaccines, toxins or serums defined as immunological medicinal products pursuant to Article 1(4) of Directive 2001/83/EC		
324	Tranylcypromine (INN) and its salts	155-09-9	205-841-9
325	Trichloronitromethane (chloropicrine)	76-06-2	200-930-9
326	2,2,2-Tribromoethanol (tribromoethyl alcohol)	75-80-9	200-903-1
327	Trichlormethine (INN) and its salts	817-09-4	212-442-3

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
328	Tretamine (INN)	51-18-3	200-083-5
329	Gallamine triethiodide (INN)	65-29-2	200-605-1
330	Urginea scilla Steinh. and its galenical preparations	84650-62-4	283-520-2
331	Veratrine, its salts and galenical preparations	8051-02-3	613-062-00-4
332	Schoenocaulon officinale Lind (seeds and galenical preparations)	84604-18-2	283-296-6
333	Veratrum spp. and their preparations	90131-91-2	290-407-1
334	Vinyl chloride monomer	75-01-4	200-831-0
335	Ergocalciferol (INN) and cholecalciferol (vitamins D2 and D3)	50-14-6/ 67-97-0	200-014-9/ 200-673-2
336	Salts of O-alkyldithiocarbonic acids (xanthates)		
337	Yohimbine and its salts	146-48-5	205-672-0
338	Dimethyl sulfoxide (INN)	67-68-5	200-664-3
339	Diphenhydramine (INN) and its salts	58-73-1	200-396-7
340	4-tert-Butylphenol	98-54-4	202-679-0
341	4-tert-Butylpyrocatechol	98-29-3	202-653-9
342	Dihydrotachysterol (INN)	67-96-9	200-672-7
343	Dioxane	123-91-1	204-661-8
344	Morpholine and its salts	110-91-8	203-815-1
345.	Pyrethrum album L. and its Galenical preparations		
346	2-[4-Methoxybenzyl-N-(2-pyridyl)amino]ethyldimethylamine maleate (Mepyramine maleate; pyrilamine maleate)	59-33-6	200-422-7
347	Tripelennamine (INN)	91-81-6	202-100-1
348	Tetrachlorosalicylanilides	7426-07-5	
349	Dichlorosalicylanilides	1147-98-4	
350	Tetrabromosalicylanilides		
351	Dibromosalicylanilides		
352	Bithionol (INN)	97-18-7	202-565-0
353	Thiuram monosulphides	97-74-5	202-605-7
354	Moved or deleted		
355	Dimethylformamide (N,N-Dimethylformamide)	68-12-2	200-679-5
356	4-Phenylbut-3-en-2-one (Benzylidene acetone)	122-57-6	204-555-1
357	Benzoates of 4-hydroxy-3-methoxycinnamyl alcohol (coniferyl alcohol) except for normal content in natural essences used		
358	Furocoumarines (e. g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. In sun protection and in bronzing products, furocoumarines shall be below 1 mg/kg	3902-71-4/ 298-81-7/ 484-20-8	223-459-0/ 206-066-9/ 207-604-5

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
359	Oil from the seeds of Laurus nobilis L.	84603-73-6	283-272-5
360	Safrole except for normal content in the natural essences used and provided the concentration does not exceed: 100 ppm in the finished product, 50 ppm in products for dental and oral hygiene, and provided that Safrole is not present in toothpastes intended specifically for children	94-59-7	202-345-4
361	5,5'-Di-isopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihypoiodite (thymol iodide)	552-22-7	209-007-5
362	3'-Ethyl-5',6',7',8'-tetrahydro-5',5',8',8'-tetramethyl-2'-acetonaphthone or 7-acetyl-6-ethyl-1,1,4,4-tetramethyl-1,2,3,4-tetrahydronaphtalen (AETT; Versalide)	88-29-9	201-817-7
363	o-Phenylenediamine and its salts	95-54-5	202-430-6
364	4-Methyl-m-phenylenediamine (Toluene-2,4-diamine) and its salts	95-80-7	202-453-1
365	Aristolochic acid and its salts; Aristolochia spp. and their preparations	475-80-9/ 313-67-7/ 15918-62-4	202-499-6/ 206-238-3/-
366	Chloroform	67-66-3	200-663-8
367	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	217-122-7
368	2,6-Dimethyl-1,3-dioxan-4-yl acetate (Dimethoxane)	828-00-2	212-579-9
369	Pyrithione sodium (INNM) (2)	3811-73-2	223-296-5
370	N-(Trichloromethylthio)-4-cyclohexene-1,2-dicarboximide (Captan - ISO)	133-06-2	205-087-0
371	2,2'-Dihydroxy-3,3',5,5',6,6'-hexachlorodiphenylmethane (Hexachlorophene (INN))	70-30-4	200-733-8
372	6-(Piperidinyl)-2,4-pyrimidinediamine 3-oxide (Minoxidil (INN)) and its salts	38304-91-5	253-874-2
373	3,4',5-Tribromosalicylanilide (Tribromsalan (INN))	87-10-5	201-723-6
374	Phytolacca spp. and their preparations	65497-07-6/ 60820-94-2	
375	Tretinoin (INN) (retinoic acid and its salts)	302-79-4	206-129-0
376	1-Methoxy-2,4-diaminobenzene (2,4-diaminoanisole - CI 76050) and its salts	615-05-4	210-406-1
377	1-Methoxy-2,5-diaminobenzene (2,5-diaminoanisole) and its salts	5307-02-8	226-161-9
378	Colouring agent CI 12140	3118-97-6	221-490-4
379	Colouring agent CI 26105 (Solvent Red 24)	85-83-6	201-635-8
380	Colouring agent CI 42555 (Basic Violet 3) Colouring agent CI 42555:1 Colouring agent CI 42555:2	548-62-9 467-63-0	208-953-6 207-396-6
381	Amyl 4-dimethylaminobenzoate, mixed isomers (Padimate A (INN))	14779-78-3	238-849-6
383	2-Amino-4-nitrophenol	99-57-0	202-767-9
384	2-Amino-5-nitrophenol	121-88-0	204-503-8

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
385	11-α-Hydroxypregn-4-ene-3,20-dione and its esters	80-75-1	201-306-9
386	Colouring agent CI 42640 ([4-[[4-(Dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1- ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt)	1694-09-3	216-901-9
387	Colouring agent CI 13065	587-98-4	209-608-2
388	Colouring agent CI 42535 (Basic Violet 1)	8004-87-3	
389	Colouring agent CI 61554 (Solvent Blue 35)	17354-14-2	241-379-4
390	Anti-androgens of steroidal structure		
391	Zirconium and its compounds, with the exception of the substances listed under reference number 50 in Annex III, and the zirconium lakes, pigments or salts of the colouring agents when listed in Annex IV	7440-67-7	231-176-9
392	Moved or deleted		
393	Acetonitrile	75-05-8	200-835-2
394	Tetrahydrozoline (Tetryzoline (INN)) and its salts	84-22-0	201-522-3
395	Hydroxy-8-quinoline and its sulphate, except for the uses provided for in No 51 in Annex III	148-24-3/ 134-31-6	205-711-1/ 205-137-1
396	Dithio-2,2-bispyridine-dioxide 1,1' (additive with trihydrated magnesium sulphate) - (pyrithione disulphide + magnesium sulphate)	43143-11-9	256-115-3
397	Colouring agent CI 12075 (Pigment Orange 5) and its lakes, pigments and salts	3468-63-1	222-429-4
398	Colouring agent CI 45170 and CI 45170:1 (Basic Violet 10)	81-88-9/ 509-34-2	201-383-9/ 208-096-8
399	Lidocaine (INN)	137-58-6	205-302-8
400	1,2-Epoxybutane	106-88-7	203-438-2
401	Colouring agent CI 15585	5160-02-1/ 2092-56-0	225-935-3/ 218-248-5
402	Strontium lactate	29870-99-3	249-915-9
403	Strontium nitrate	10042-76-9	233-131-9
404	Strontium polycarboxylate		
405	Pramocaine (INN)	140-65-8	205-425-7
406	4-Ethoxy-m-phenylenediamine and its salts	5862-77-1	
407	2,4-Diaminophenylethanol and its salts	14572-93-1	
408	Pyrocatechol (Catechol)	120-80-9	204-427-5
409	Pyrogallol	87-66-1	201-762-9
410	Nitrosamines e.g. Dimethylnitrosoamine; Nitrosodipropylamine; 2,2'-Nitrosoimino)bisethanol	62-75-9/ 621-64-7/ 1116-54-7	200-549-8/ 210-698-0/ 214-237-4
411	Secondary alkyl- and alkanolamines and their salts		
412	4-Amino-2-nitrophenol	119-34-6	204-316-1
413	2-Methyl-m-phenylenediamine (Toluene-2,6-diamine)	823-40-5	212-513-9

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
414	4-tert.-Butyl-3-methoxy-2,6-dinitrotoluene (Musk Ambrette)	83-66-9	201-493-7
415	Moved or deleted		
416	Cells, tissues or products of human origin		
417	3,3-Bis(4-hydroxyphenyl)phthalide (Phenolphthalein (INN))	77-09-8	201-004-7
418	3-Imidazol-4-ylacrylic acid (Urocanic acid) and its ethyl ester	104-98-3/ 27538-35-8	203-258-4/ 248-515-1
419	Category 1 material and Category 2 material as defined in Articles 4 and 5 respectively of Regulation (EC) No 1774/2002 of the European Parliament and of the Council (3), and ingredients derived therefrom		
420	Crude and refined coal tars	8007-45-2	232-361-7
421	1,1,3,3,5-Pentamethyl-4,6-dinitroindane (Moskene)	116-66-5	204-149-4
422	5-tert.-Butyl-1,2,3-trimethyl-4,6-dinitrobenzene (Musk Tibetene)	145-39-1	205-651-6
423	Alanroot oil (Inula helenium L.), when used as a fragrance ingredient	97676-35-2	
424	Benzyl cyanide, when used as a fragrance ingredient	140-29-4	205-410-5
425	Cyclamen alcohol, when used as a fragrance ingredient	4756-19-8	225-289-2
426	Diethyl maleate, when used as a fragrance ingredient	141-05-9	205-451-9
427	3,4-Dihydrocoumarin, when used as a fragrance ingredient	119-84-6	204-354-9
428	2,4-Dihydroxy-3-methylbenzaldehyde, when used as a fragrance ingredient	6248-20-0	228-369-5
429	3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol), when used as a fragrance ingredient	40607-48-5	254-999-5
430	4,6-Dimethyl-8-tert-butylcoumarin, when used as a fragrance ingredient	17874-34-9	241-827-9
431	Dimethyl citraconate, when used as a fragrance ingredient	617-54-9	
432	7,11-Dimethyl-4,6,10-dodecatrien-3-one (Pseudomethylionone), when used as a fragrance ingredient	26651-96-7	247-878-3
433	6,10-Dimethyl-3,5,9-undecatrien-2-one (Pseudoionone)(, when used as a fragrance ingredient	141-10-6	205-457-1
434	Diphenylamine, when used as a fragrance ingredient	122-39-4	204-539-4
435	Ethyl acrylate, when used as a fragrance ingredient	140-88-5	205-438-8
436	Fig leaf absolute (Ficus carica L.), when used as a fragrance ingredient	68916-52-9	
437	trans-2-Heptenal, when used as a fragrance ingredient	18829-55-5	242-608-0
438	trans-2-Hexenal diethyl acetal, when used as a fragrance ingredient	67746-30-9	266-989-8
439	trans-2-Hexenal dimethyl acetal, when used as a fragrance ingredient	18318-83-7	242-204-4
440	Hydroabietyl alcohol, when used as a fragrance ingredient	13393-93-6	236-476-3
441	6-Isopropyl-2-decahydronaphthalenol, when used as a fragrance ingredient	34131-99-2	251-841-7

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
442	7-Methoxycoumarin, when used as a fragrance ingredient	531-59-9	208-513-3
443	4-(4-Methoxyphenyl)-3-butene-2-one (Anisylidene acetone), when used as a fragrance ingredient	943-88-4	213-404-9
444	1-(4-Methoxyphenyl)-1-penten-3-one (alpha-Methylanisylideneacetone), when used as a fragrance ingredient	104-27-8	203-190-5
445	Methyl trans-2-butenoate, when used as a fragrance ingredient	623-43-8	210-793-7
446	7-Methylcoumarin, when used as a fragrance ingredient	2445-83-2	219-499-3
447	5-Methyl-2,3-hexanedione (Acetyl isovaleryl), when used as a fragrance ingredient	13706-86-0	237-241-8
448	2-Pentylidenecyclohexanone, when used as a fragrance ingredient	25677-40-1	247-178-8
449	3,6,10-Trimethyl-3,5,9-undecatrien-2-one (Pseudo-Isomethyl ionone), when used as a fragrance ingredient	1117-41-5	214-245-8
450	Verbena oil (Lippia citriodora Kunth.), when used as a fragrance ingredient	8024-12-2	
451	Moved or deleted		
452	6-(2-Chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa- 6-silaundecane	37894-46-5	253-704-7
453	Cobalt dichloride	7646-79-9	231-589-4
454	Cobalt sulphate	10124-43-3	233-334-2
455	Nickel monoxide	1313-99-1	215-215-7
456	Dinickel trioxide	1314-06-3	215-217-8
457	Nickel dioxide	12035-36-8	234-823-3
458	Trinickel disulphide	12035-72-2	234-829-6
459	Tetracarbonylnickel	13463-39-3	236-669-2
460	Nickel sulphide	16812-54-7	240-841-2
461	Potassium bromate	7758-01-2	231-829-8
462	Carbon monoxide	630-08-0	211-128-3
463	Buta-1,3-diene, see also entries 464-611	106-99-0	203-450-8
464	Isobutane, if it contains ≥ 0,1 % w/w Butadiene	75-28-5	200-857-2
465	Butane, if it contains ≥ 0,1 % w/w Butadiene	106-97-8	203-448-7
466	Gases (petroleum), C3-4, if they contain > 0,1 % w/w Butadiene	68131-75-9	268-629-5
467	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber, if it contains > 0,1 % w/w Butadiene	68307-98-2	269-617-2
468	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene	68307-99-3	269-618-8
469	Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-00-9	269-619-3

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
470	Tail gas (petroleum), cracked distillate hydrotreater stripper, if it contains > 0,1 % w/w Butadiene	68308-01-0	269-620-9
471	Tail gas (petroleum), gas oil catalytic cracking absorber, if it contains > 0,1 % w/w Butadiene	68308-03-2	269-623-5
472	Tail gas (petroleum), gas recovery plant, if it contains > 0,1 % w/w Butadiene	68308-04-3	269-624-0
473	Tail gas (petroleum), gas recovery plant deethaniser, if it contains > 0,1 % w/w Butadiene	68308-05-4	269-625-6
474	Tail gas (petroleum), hydrodesulfurised distillate and hydrodesulfurised naphtha fractionator, acid-free, if it contains > 0,1 % w/w Butadiene	68308-06-5	269-626-1
475	Tail gas (petroleum), hydrodesulfurised vacuum gas oil stripper, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-07-6	269-627-7
476	Tail gas (petroleum), isomerised naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene	68308-08-7	269-628-2
477	Tail gas (petroleum), light straight-run naphtha stabiliser, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-09-8	269-629-8
478	Tail gas (petroleum), straight-run distillate hydrodesulfurised, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-10-1	269-630-3
479	Tail gas (petroleum), propane-propylene alkylation feed prep deethaniser, if it contains > 0,1 % w/w Butadiene	68308-11-2	269-631-9
480	Tail gas (petroleum), vacuum gas oil hydrodesulfurised, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-12-3	269-632-4
481	Gases (petroleum), catalytic cracked overheads, if they contain > 0,1 % w/w Butadiene	68409-99-4	270-071-2
482	Alkanes, C1-2, if they contain > 0,1 % w/w Butadiene	68475-57-0	270-651-5
483	Alkanes, C2-3, if they contain > 0,1 % w/w Butadiene	68475-58-1	270-652-0
484	Alkanes, C3-4, if they contain > 0,1 % w/w Butadiene	68475-59-2	270-653-6
485	Alkanes, C4-5, if they contain > 0,1 % w/w Butadiene	68475-60-5	270-654-1
486	Fuel-gases, if they contain > 0,1 % w/w Butadiene	68476-26-6	270-667-2
487	Fuel gases, crude oil distillates, if they contain > 0,1 % w/w Butadiene	68476-29-9	270-670-9
488	Hydrocarbons, C3-4, if they contain > 0,1 % w/w Butadiene	68476-40-4	270-681-9
489	Hydrocarbons, C4-5, if they contain > 0,1 % w/w Butadiene	68476-42-6	270-682-4
490	Hydrocarbons, C2-4, C3-rich, if they contain > 0,1 % w/w Butadiene	68476-49-3	270-689-2
491	Petroleum gases, liquefied, if they contain > 0,1 % w/w Butadiene	68476-85-7	270-704-2
492	Petroleum gases, liquefied, sweetened, if they contain > 0,1 % w/w Butadiene	68476-86-8	270-705-8
493	Gases (petroleum), C3-4, isobutane-rich if they contain > 0,1 % w/w Butadiene	68477-33-8	270-724-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
494	Distillates (petroleum), C3-6, piperylene-rich, if they contain > 0,1 % w/w Butadiene	68477-35-0	270-726-2
495	Gases (petroleum), amine system feed, if they contain > 0,1 % w/w Butadiene	68477-65-6	270-746-1
496	Gases (petroleum), benzene unit hydrodesulfurised off, if they contain > 0,1 % w/w Butadiene	68477-66-7	270-747-7
497	Gases (petroleum), benzene unit recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-67-8	270-748-2
498	Gases (petroleum), blend oil, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-68-9	270-749-8
499	Gases (petroleum), butane splitter overheads, if they contain > 0,1 % w/w Butadiene	68477-69-0	270-750-3
500	Gases (petroleum), C2-3, if they contain > 0,1 % w/w Butadiene	68477-70-3	270-751-9
501	Gases (petroleum), catalytic-cracked gas oil depropaniser bottoms, C4-rich acid-free, if they contain > 0,1 % w/w Butadiene	68477-71-4	270-752-4
502	Gases (petroleum), catalytic-cracked naphtha debutaniser bottoms, C3-5-rich, if they contain > 0,1 % w/w Butadiene	68477-72-5	270-754-5
503	Gases (petroleum), catalytic cracked naphtha depropaniser overhead, C3-rich acid-free, if they contain > 0,1 % w/w Butadiene	68477-73-6	270-755-0
504	Gases (petroleum), catalytic cracker, if they contain > 0,1 % w/w Butadiene	68477-74-7	270-756-6
505	Gases (petroleum), catalytic cracker, C1-5-rich, if they contain > 0,1 % w/w Butadiene	68477-75-8	270-757-1
506	Gases (petroleum), catalytic polymd. naphtha stabiliser overhead, C2-4-rich, if they contain > 0,1 % w/w Butadiene	68477-76-9	270-758-7
507	Gases (petroleum), catalytic reformed naphtha stripper overheads, if they contain > 0,1 % w/w Butadiene	68477-77-0	270-759-2
508	Gases (petroleum), catalytic reformer, C1-4-rich, if they contain > 0,1 % w/w Butadiene	68477-79-2	270-760-8
509	Gases (petroleum), C6-8 catalytic reformer recycle, if they contain > 0,1 % w/w Butadiene	68477-80-5	270-761-3
510	Gases (petroleum), C6-8 catalytic reformer, if they contain > 0,1 % w/w Butadiene	68477-81-6	270-762-9
511	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-82-7	270-763-4
512	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed, if they contain > 0,1 % w/w Butadiene	68477-83-8	270-765-5
513	Gases (petroleum), C2-return stream, if they contain > 0,1 % w/w Butadiene	68477-84-9	270-766-0
514	Gases (petroleum), C4-rich, if they contain > 0,1 % w/w Butadiene	68477-85-0	270-767-6
515	Gases (petroleum), deethaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-86-1	270-768-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
516	Gases (petroleum), deisobutaniser tower overheads, if they contain > 0,1 % w/w Butadiene	68477-87-2	270-769-7
517	Gases (petroleum), depropaniser dry, propene-rich, if they contain > 0,1 % w/w Butadiene	68477-90-7	270-772-3
518	Gases (petroleum), depropaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-91-8	270-773-9
519	Gases (petroleum), dry sour, gas-concn. -unit-off, if they contain > 0,1 % w/w Butadiene	68477-92-9	270-774-4
520	Gases (petroleum), gas concn. reabsorber distn., if they contain > 0,1 % w/w Butadiene	68477-93-0	270-776-5
521	Gases (petroleum), gas recovery plant depropaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-94-1	270-777-0
522	Gases (petroleum), Girbatol unit feed, if they contain > 0,1 % w/w Butadiene	68477-95-2	270-778-6
523	Gases (petroleum), hydrogen absorber off, if they contain > 0,1 % w/w Butadiene	68477-96-3	270-779-1
524	Gases (petroleum), hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-97-4	270-780-7
525	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-98-5	270-781-2
526	Gases (petroleum), isomerised naphtha fractionator, C4-rich, hydrogen sulfide-free, if they contain > 0,1 % w/w Butadiene	68477-99-6	270-782-8
527	Gases (petroleum), recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-00-2	270-783-3
528	Gases (petroleum), reformer make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-01-3	270-784-9
529	Gases (petroleum), reforming hydrotreater, if they contain > 0,1 % w/w Butadiene	68478-02-4	270-785-4
530	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich, if they contain > 0,1 % w/w Butadiene	68478-03-5	270-787-5
531	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-04-6	270-788-0
532	Gases (petroleum), thermal cracking distn., if they contain > 0,1 % w/w Butadiene	68478-05-7	270-789-6
533	Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum, if it contains > 0,1 % w/w Butadiene	68478-21-7	270-802-5
534	Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber, if it contains > 0,1 % w/w Butadiene	68478-22-8	270-803-0
535	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurised combined fractionater, if it contains > 0,1 % w/w Butadiene	68478-24-0	270-804-6
536	Tail gas (petroleum), catalytic cracker refractionation absorber, if it contains > 0,1 % w/w Butadiene	68478-25-1	270-805-1
537	Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, if it contains > 0,1 % w/w	68478-26-2	270-806-7

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	Butadiene		
538	Tail gas (petroleum), catalytic reformed naphtha separator, if it contains > 0,1 % w/w Butadiene	68478-27-3	270-807-2
539	Tail gas (petroleum), catalytic reformed naphtha stabiliser, if it contains > 0,1 % w/w Butadiene	68478-28-4	270-808-8
540	Tail gas (petroleum), cracked distillate hydrotreater separator, if it contains > 0,1 % w/w Butadiene	68478-29-5	270-809-3
541	Tail gas (petroleum), hydrodesulfurised straight-run naphtha separator, if it contains > 0,1 % w/w Butadiene	68478-30-8	270-810-9
542	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich, if it contains > 0,1 % w/w Butadiene	68478-32-0	270-813-5
543	Tail gas (petroleum), saturate gas recovery plant, C1-2-rich, if it contains > 0,1 % w/w Butadiene	68478-33-1	270-814-0
544	Tail gas (petroleum), vacuum residues thermal cracker, if it contains > 0,1 % w/w Butadiene	68478-34-2	270-815-6
545	Hydrocarbons, C3-4-rich, petroleum distillate, if they contain > 0,1 % w/w Butadiene	68512-91-4	270-990-9
546	Gases (petroleum), catalytic reformed straight-run naphtha stabiliser overheads, if they contain > 0,1 % w/w Butadiene	68513-14-4	270-999-8
547	Gases (petroleum), full-range straight-run naphtha dehexaniser off, if they contain > 0,1 % w/w Butadiene	68513-15-5	271-000-8
548	Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich, if they contain > 0,1 % w/w Butadiene	68513-16-6	271-001-3
549	Gases (petroleum), light straight-run naphtha stabiliser off, if they contain > 0,1 % w/w Butadiene	68513-17-7	271-002-9
550	Gases (petroleum), reformer effluent high-pressure flash drum off, if they contain > 0,1 % w/w Butadiene	68513-18-8	271-003-4
551	Gases (petroleum), reformer effluent low-pressure flash drum off, if they contain > 0,1 % w/w Butadiene	68513-19-9	271-005-5
552	Residues (petroleum), alkylation splitter, C4-rich, if they contain > 0,1 % w/w Butadiene	68513-66-6	271-010-2
553	Hydrocarbons, C1-4, if they contain > 0,1 % w/w Butadiene	68514-31-8	271-032-2
554	Hydrocarbons, C1-4, sweetened, if they contain > 0,1 % w/w Butadiene	68514-36-3	271-038-5
555	Gases (petroleum), oil refinery gas distn. off, if they contain > 0,1 % w/w Butadiene	68527-15-1	271-258-1
556	Hydrocarbons, C1-3, if they contain > 0,1 % w/w Butadiene	68527-16-2	271-259-7
557	Hydrocarbons, C1-4, debutaniser fraction, if they contain > 0,1 % w/w Butadiene	68527-19-5	271-261-8
558	Gases (petroleum), benzene unit hydrotreater depentaniser overheads, if they contain > 0,1 % w/w Butadiene	68602-82-4	271-623-5
559	Gases (petroleum), C1-5, wet, if they contain > 0,1 % w/w Butadiene	68602-83-5	271-624-0
560	Gases (petroleum), secondary absorber off, fluidised	68602-84-6	271-625-6

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	catalytic cracker overheads fractionator, if they contain > 0,1 % w/w Butadiene		
561	Hydrocarbons, C2-4, if they contain > 0,1 % w/w Butadiene	68606-25-7	271-734-9
562	Hydrocarbons, C3, if they contain > 0,1 % w/w Butadiene	68606-26-8	271-735-4
563	Gases (petroleum), alkylation feed, if they contain > 0,1 % w/w Butadiene	68606-27-9	271-737-5
564	Gases (petroleum), depropaniser bottoms fractionation off, if they contain > 0,1 % w/w Butadiene	68606-34-8	271-742-2
565	Petroleum products, refinery gases, if they contain > 0,1 % w/w Butadiene	68607-11-4	271-750-6
566	Gases (petroleum), hydrocracking low-pressure separator, if they contain > 0,1 % w/w Butadiene	68783-06-2	272-182-1
567	Gases (petroleum), refinery blend, if they contain > 0,1 % w/w Butadiene	68783-07-3	272-183-7
568	Gases (petroleum), catalytic cracking, if they contain > 0,1 % w/w Butadiene	68783-64-2	272-203-4
569	Gases (petroleum), C2-4, sweetened, if they contain > 0,1 % w/w Butadiene	68783-65-3	272-205-5
570	Gases (petroleum), refinery, if they contain > 0,1 % w/w Butadiene	68814-67-5	272-338-9
571	Gases (petroleum), platformer products separator off, if they contain > 0,1 % w/w Butadiene	68814-90-4	272-343-6
572	Gases (petroleum), hydrotreated sour kerosine depentaniser stabiliser off, if they contain > 0,1 % w/w Butadiene	68911-58-0	272-775-5
573	Gases (petroleum), hydrotreated sour kerosine flash drum, if they contain > 0,1 % w/w Butadiene	68911-59-1	272-776-0
574	Gases (petroleum), crude oil fractionation off, if they contain > 0,1 % w/w Butadiene	68918-99-0	272-871-7
575	Gases (petroleum), dehexaniser off, if they contain > 0,1 % w/w Butadiene	68919-00-6	272-872-2
576	Gases (petroleum), distillate unifiner desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-01-7	272-873-8
577	Gases (petroleum), fluidised catalytic cracker fractionation off if they contain > 0,1 % w/w Butadiene	68919-02-8	272-874-3
578	Gases (petroleum), fluidised catalytic cracker scrubbing secondary absorber off, if they contain > 0,1 % w/w Butadiene	68919-03-9	272-875-9
579	Gases (petroleum), heavy distillate hydrotreater desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-04-0	272-876-4
580	Gases (petroleum), light straight run gasoline fractionation stabiliser off, if they contain > 0,1 % w/w Butadiene	68919-05-1	272-878-5
581	Gases (petroleum), naphtha unifiner desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-06-2	272-879-0
582	Gases (petroleum), platformer stabiliser off, light ends fractionation, if they contain > 0,1 % w/w Butadiene	68919-07-3	272-880-6
583	Gases (petroleum), preflash tower off, crude distn., if they contain	68919-08-4	272-881-1

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	> 0,1 % w/w Butadiene		
584	Gases (petroleum), straight-run naphtha catalytic reforming off, if they contain > 0,1 % w/w Butadiene	68919-09-5	272-882-7
585	Gases (petroleum), straight-run stabiliser off, if they contain > 0,1 % w/w Butadiene	68919-10-8	272-883-2
586	Gases (petroleum), tar stripper off, if they contain > 0,1 % w/w Butadiene	68919-11-9	272-884-8
587	Gases (petroleum), unifiner stripper off, if they contain > 0,1 % w/w Butadiene	68919-12-0	272-885-3
588	Gases (petroleum), fluidised catalytic cracker splitter overheads, if they contain > 0,1 % w/w Butadiene	68919-20-0	272-893-7
589	Gases (petroleum), catalytic cracked naphtha debutaniser, if they contain > 0,1 % w/w Butadiene	68952-76-1	273-169-3
590	Tail gas (petroleum), catalytic cracked distillate and naphtha stabiliser, if it contains > 0,1 % w/w Butadiene	68952-77-2	273-170-9
591	Tail gas (petroleum), catalytic hydrodesulfurised naphtha separator, if it contains > 0,1 % w/w Butadiene	68952-79-4	273-173-5
592	Tail gas (petroleum), straight-run naphtha hydrodesulfurised, if it contains > 0,1 % w/w Butadiene	68952-80-7	273-174-0
593	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber, if it contains > 0,1 % w/w Butadiene	68952-81-8	273-175-6
594	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabiliser, petroleum coking, if it contains > 0,1 % w/w Butadiene	68952-82-9	273-176-1
595	Gases (petroleum), light steam-cracked, butadiene conc., if they contain > 0,1 % w/w Butadiene	68955-28-2	273-265-5
596	Gases (petroleum), sponge absorber off, fluidised catalytic cracker and gas oil desulfuriser overhead fractionation, if they contain > 0,1 % w/w Butadiene	68955-33-9	273-269-7
597	Gases (petroleum), straight-run naphtha catalytic reformer stabiliser overhead, if they contain > 0,1 % w/w Butadiene	68955-34-0	273-270-2
598	Gases (petroleum), crude distn. and catalytic cracking, if they contain > 0,1 % w/w Butadiene	68989-88-8	273-563-5
599	Hydrocarbons, C4, if they contain > 0,1 % w/w Butadiene	87741-01-3	289-339-5
600	Alkanes, C1-4, C3-rich, if they contain > 0,1 % w/w Butadiene	90622-55-2	292-456-4
601	Gases (petroleum), gas oil diethanolamine scrubber off, if they contain > 0,1 % w/w Butadiene	92045-15-3	295-397-2
602	Gases (petroleum), gas oil hydrodesulfurisation effluent, if they contain > 0,1 % w/w Butadiene	92045-16-4	295-398-8
603	Gases (petroleum), gas oil hydrodesulfurisation purge, if they contain > 0,1 % w/w Butadiene	92045-17-5	295-399-3
604	Gases (petroleum), hydrogenator effluent flash drum off, if they contain > 0,1 % w/w Butadiene	92045-18-6	295-400-7

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
605	Gases (petroleum), naphtha steam cracking high-pressure residual, if they contain > 0,1 % w/w Butadiene	92045-19-7	295-401-2
606	Gases (petroleum), residue visbreaking off, if they contain > 0,1 % w/w Butadiene	92045-20-0	295-402-8
607	Gases (petroleum), steam-cracker C3-rich, if they contain > 0,1 % w/w Butadiene	92045-22-2	295-404-9
608	Hydrocarbons, C4, steam-cracker distillate, if they contain > 0,1 % w/w Butadiene	92045-23-3	295-405-4
609	Petroleum gases, liquefied, sweetened, C4 fraction, if they contain > 0,1 % w/w Butadiene	92045-80-2	295-463-0
610	Hydrocarbons, C4, 1,3-butadiene- and isobutene-free, if they contain > 0,1 % w/w Butadiene	95465-89-7	306-004-1
611	Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5 unsatd., butadiene-free, if they contain > 0,1 % w/w Butadiene	97722-19-5	307-769-4
612	Benzo[def]chrysene (benzo[a]pyrene)	50-32-8	200-028-5
613	Pitch, coal tar-petroleum, if it contains > 0,005 % w/w benzo[a]pyrene	68187-57-5	269-109-0
614	Distillates (coal-petroleum), condensed-ring arom., if they contain > 0,005 % w/w benzo[a]pyrene	68188-48-7	269-159-3
615	Moved or deleted		
616	Moved or deleted		
617	Creosote oil, acenaphthene fraction, acenaphthene-free, if it contains > 0,005 % w/w benzo[a]pyrene	90640-85-0	292-606-9
618	Pitch, coal tar, low-temp., if it contains > 0,005 % w/w benzo[a]pyrene	90669-57-1	292-651-4
619	Pitch, coal tar, low-temp., heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene	90669-58-2	292-653-5
620	Pitch, coal tar, low-temp., oxidised, if it contains > 0,005 % w/w benzo[a]pyrene	90669-59-3	292-654-0
621	Extract residues (coal), brown, if they contain > 0,005 % w/w benzo[a]pyrene	91697-23-3	294-285-0
622	Paraffin waxes (coal), brown-coal high-temp. tar, if they contain > 0,005 % w/w benzo[a]pyrene	92045-71-1	295-454-1
623	Paraffin waxes (coal), brown-coal high-temp. tar, hydrotreated, if they contain > 0,005 % w/w benzo[a]pyrene	92045-72-2	295-455-7
624	Waste solids, coal-tar pitch coking, if they contain > 0,005 % w/w benzo[a]pyrene	92062-34-5	295-549-8
625	Pitch, coal tar, high-temp., secondary, if it contains > 0,005 % w/w benzo[a]pyrene	94114-13-3	302-650-3
626	Residues (coal), liq. solvent extn., if they contain > 0,005 % w/w benzo[a]pyrene	94114-46-2	302-681-2
627	Coal liquids, liq. solvent extn. soln., if they contain > 0,005 % w/w benzo[a]pyrene	94114-47-3	302-682-8

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
628	Coal liquids, liq. solvent extn., if they contain > 0,005 % w/w benzo[a]pyrene	94114-48-4	302-683-3
629	Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-76-6	308-296-6
630	Paraffin waxes (coal), brown-coal high-temp tar, clay-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-77-7	308-297-1
631	Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-78-8	308-298-7
632	Absorption oils, bicyclo arom. and heterocylic hydrocarbon fraction, if they contain > 0,005 % w/w benzo[a]pyrene	101316-45-4	309-851-5
633	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene polypropylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-74-5	309-956-6
634	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-75-6	309-957-1
635	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-76-7	309-958-7
636	Pitch, coal tar, high-temp., heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene	121575-60-8	310-162-7
637	Dibenz[a,h]anthracene	53-70-3	200-181-8
638	Benz[a]anthracene	56-55-3	200-280-6
639	Benzo[e]pyrene	192-97-2	205-892-7
640	Benzo[j]fluoranthene	205-82-3	205-910-3
641	Benz(e)acephenanthrylene	205-99-2	205-911-9
642	Benzo(k)fluoranthene	207-08-9	205-916-6
643	Chrysene	218-01-9	205-923-4
644	2-Bromopropane	75-26-3	200-855-1
645	Trichloroethylene	79-01-6	201-167-4
646	1,2-Dibromo-3-chloropropane	96-12-8	202-479-3
647	2,3-Dibromopropan-1-ol	96-13-9	202-480-9
648	1,3-Dichloropropan-2-ol	96-23-1	202-491-9
649	α,α,α-Trichlorotoluene	98-07-7	202-634-5
650	α-Chlorotoluene (Benzyl chloride)	100-44-7	202-853-6
651	1,2-Dibromoethane	106-93-4	203-444-5
652	Hexachlorobenzene	118-74-1	204-273-9
653	Bromoethylene (Vinyl bromide)	593-60-2	209-800-6
654	1,4-Dichlorobut-2-ene	764-41-0	212-121-8

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
655	Methyloxirane (Propylene oxide)	75-56-9	200-879-2
656	(Epoxyethyl)benzene (Styrene oxide)	96-09-3	202-476-7
657	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	203-439-8
658	R-1-Chloro-2,3-epoxypropane	51594-55-9	424-280-2
659	1,2-Epoxy-3-phenoxypropane (Phenylglycidyl ether)	122-60-1	204-557-2
660	2,3-Epoxypropan-1-ol (Glycidol)	556-52-5	209-128-3
661	R-2,3-Epoxy-1-propanol	57044-25-4	404-660-4
662	2,2′-Bioxirane (1,2:3,4-Diepoxybutane)	1464-53-5	215-979-1
663	(2RS,3RS)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1H-1,2,4-triazol-1-yl) methyl]oxirane; Epoxiconazole	133855-98-8	406-850-2
664	Chloromethyl methyl ether	107-30-2	203-480-1
665	2-Methoxyethanol and its acetate (2-Methoxyethyl acetate)	109-86-4/ 110-49-6	203-713-7/ 203-772-9
666	2-Ethoxyethanol and its acetate (2-Ethoxyethyl acetate)	110-80-5/ 111-15-9	203-804-1/ 203-839-2
667	Oxybis[chloromethane], bis (Chloromethyl) ether	542-88-1	208-832-8
668	2-Methoxypropanol	1589-47-5	216-455-5
669	Propiolactone	57-57-8	200-340-1
670	Dimethylcarbamoyl chloride	79-44-7	201-208-6
671	Urethane (Ethyl carbamate)	51-79-6	200-123-1
672	Moved or deleted		
673	Moved or deleted		
674	Methoxyacetic acid	625-45-6	210-894-6
675	Dibutyl phthalate	84-74-2	201-557-4
676	bis(2-Methoxyethyl) ether (Dimethoxydiglycol)	111-96-6	203-924-4
677	bis(2-Ethylhexyl) phthalate (Diethylhexyl phthalate)	117-81-7	204-211-0
678	bis(2-Methoxyethyl) phthalate	117-82-8	204-212-6
679	2-Methoxypropyl acetate	70657-70-4	274-724-2
680	2-Ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]- methyl]thio]acetate	80387-97-9	279-452-8
681	Acrylamide, unless regulated elsewhere in this Regulation	79-06-1	201-173-7
682	Acrylonitrile	107-13-1	203-466-5
683	2-Nitropropane	79-46-9	201-209-1
684	Dinoseb, its salts and esters with the exception of those specified elsewhere in this list	88-85-7	201-861-7
685	2-Nitroanisole	91-23-6	202-052-1
686	4-Nitrobiphenyl	92-93-3	202-204-7
687	2,4-Dinitrotoluene; Dinitrotoluene, technical grade	121-14-2/ 25321-14-6	204-450-0/ 246-836-1
688	Binapacryl	485-31-4	207-612-9

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
689	2-Nitronaphthalene	581-89-5	209-474-5
690	2,3-Dinitrotoluene	602-01-7	210-013-5
691	5-Nitroacenaphthene	602-87-9	210-025-0
692	2,6-Dinitrotoluene	606-20-2	210-106-0
693	3,4-Dinitrotoluene	610-39-9	210-222-1
694	3,5-Dinitrotoluene	618-85-9	210-566-2
695	2,5-Dinitrotoluene	619-15-8	210-581-4
696	Dinoterb, its salts and esters	1420-07-1	215-813-8
697	Nitrofen	1836-75-5	217-406-0
698	Moved or deleted		
699	Diazomethane	334-88-3	206-382-7
700	1,4,5,8-Tetraaminoanthraquinone (Disperse Blue 1)	2475-45-8	219-603-7
701	Moved or deleted		
702	1-Methyl-3-nitro-1-nitrosoguanidine	70-25-7	200-730-1
703	Moved or deleted		
704	Moved or deleted		
705	4,4′-Methylenedianiline	101-77-9	202-974-4
706	4,4′-(4-Iminocyclohexa-2,5-dienylidenemethylene) dianiline hydrochlo- ride	569-61-9	209-321-2
707	4,4′-Methylenedi-o-toluidine	838-88-0	212-658-8
708	o-Anisidine	90-04-0	201-963-1
709	3,3′-Dimethoxybenzidine (ortho-Dianisidine) and its salts	119-90-4	204-355-4
710	Moved or deleted		
711	o-Dianisidine based azo dyes		
712	3,3′-Dichlorobenzidine	91-94-1	202-109-0
713	Benzidine dihydrochloride	531-85-1	208-519-6
714	[[1,1′-Biphenyl]-4,4′-diyl]diammonium sulphate	531-86-2	208-520-1
715	3,3′-Dichlorobenzidine dihydrochloride	612-83-9	210-323-0
716	Benzidine sulphate	21136-70-9	244-236-4
717	Benzidine acetate	36341-27-2	252-984-8
718	3,3′-Dichlorobenzidine dihydrogen bis(sulphate)	64969-34-2	265-293-1
719	3,3′-Dichlorobenzidine sulphate	74332-73-3	277-822-3
720	Benzidine based azo dyes		
721	4,4′-Bi-o-toluidine (ortho-Tolidine)	119-93-7	204-358-0
722	4,4′-Bi-o-toluidine dihydrochloride	612-82-8	210-322-5
723	[3,3′-Dimethyl[1,1′-biphenyl]-4,4′-diyl]diammonium bis(hydrogen sulphate)	64969-36-4	265-294-7
724	4,4′-Bi-o-toluidine sulphate	74753-18-7	277-985-0

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
725	o-Tolidine based dyes		611-030-00-4
726	Biphenyl-4-ylamine (4-Aminobiphenyl) and its salts	92-67-1	202-177-1
727	Azobenzene	103-33-3	203-102-5
728	(Methyl-ONN-azoxy)methyl acetate	592-62-1	209-765-7
729	Cycloheximide	66-81-9	200-636-0
730	2-Methylaziridine	75-55-8	200-878-7
731	Imidazolidine-2-thione (Ethylene thiourea)	96-45-7	202-506-9
732	Furan	110-00-9	203-727-3
733	Aziridine	151-56-4	205-793-9
734	Captafol	2425-06-1	219-363-3
735	Carbadox	6804-07-5	229-879-0
736	Flumioxazin	103361-09-7	613-166-00-X
737	Tridemorph	24602-86-6	246-347-3
738	Vinclozolin	50471-44-8	256-599-6
739	Fluazifop-butyl	69806-50-4	274-125-6
740	Flusilazole	85509-19-9	014-017-00-6
741	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3
742	Thioacetamide	62-55-5	200-541-4
743	Moved or deleted		
744	Formamide	75-12-7	200-842-0
745	N-Methylacetamide	79-16-3	201-182-6
746	N-Methylformamide	123-39-7	204-624-6
747	N,N-Dimethylacetamide	127-19-5	204-826-4
748	Hexamethylphosphoric-triamide	680-31-9	211-653-8
749	Diethyl sulphate	64-67-5	200-589-6
750	Dimethyl sulphate	77-78-1	201-058-1
751	1,3-Propanesultone	1120-71-4	214-317-9
752	Dimethylsulphamoyl-chloride	13360-57-1	236-412-4
753	Sulfallate	95-06-7	202-388-9
754	A mixture of: 4-[[bis-(4-Fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole and 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole		403-250-2
755	(+/–)-Tetrahydrofurfuryl –(R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate	119738-06-6	607-373-00-4
756	6-Hydroxy-1-(3-Isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo) phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	85136-74-9-	4 0-3400-3

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
757	(6-(4-Hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)- 1,3,5-triazine-2,4-diyl)bis[(amino-1-methylethyl)ammonium] formate	108225-03-2	402-060-7
758	Trisodium [4′-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4″-(6-benzoylamino- 3-Sulfonato-2-naphthylazo)-biphenyl-1,3′,3″,1‴-tetraolato-O,O′,O″,O‴] copper(II)		413-590-3
759	A mixture of: N-[3-Hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]- 2-methylacrylamide and N-[2,3-bis-(2-Methylacryloylaminomethoxy)propoxymethyl]- 2-methylacrylamide and methacrylamide and 2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide and N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide		412-790-8
760	1,3,5-tris-[(2S and 2R)-2,3-Epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (Teroxirone)	59653-74-6	616-091-00-0
761	Erionite	12510-42-8	650-012-00-0
762	Asbestos	12001-28-4	650-013-00-6
763	Petroleum	8002-05-9	232-298-5
764	Distillates (petroleum), heavy hydrocracked, if they contain > 3 % w/w DMSO extract	64741-76-0	265-077-7
765	Distillates (petroleum), solvent-refined heavy paraffinic, if they contain > 3 % w/w DMSO extract	64741-88-4	265-090-8
766	Distillates (petroleum), solvent-refined light paraffinic, if they contain > 3 % w/w DMSO extract	64741-89-5	265-091-3
767	Residual oils (petroleum), solvent deasphalted, if they contain > 3 % w/w DMSO extract	64741-95-3	265-096-0
768	Distillates (petroleum), solvent-refined heavy naphthenic, if they contain > 3 % w/w DMSO extract	64741-96-4	265-097-6
769	Distillates (petroleum), solvent-refined light naphthenic, if they contain > 3 % w/w DMSO extract	64741-97-5	265-098-1
770	Residual oils (petroleum), solvent-refined, if they contain > 3 % w/w DMSO extract	64742-01-4	265-101-6
771	Distillates (petroleum), clay-treated heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-36-5	265-137-2
772	Distillates (petroleum), clay-treated light paraffinic, if they contain > 3 % w/w DMSO extract	64742-37-6	265-138-8
773	Residual oils (petroleum), clay-treated, if they contain > 3 % w/w DMSO extract	64742-41-2	265-143-5
774	Distillates (petroleum), clay-treated heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-44-5	265-146-1
775	Distillates (petroleum), clay-treated light naphthenic, if they contain	64742-45-6	265-147-7

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	> 3 % w/w DMSO extract		
776	Distillates (petroleum), hydrotreated heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-52-5	265-155-0
777	Distillates (petroleum), hydrotreated light naphthenic, if they contain > 3 % w/w DMSO extract	64742-53-6	265-156-6
778	Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-54-7	265-157-1
779	Distillates (petroleum), hydrotreated light paraffinic, if they contain > 3 % w/w DMSO extract	64742-55-8	265-158-7
780	Distillates (petroleum), solvent-dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract	64742-56-9	265-159-2
781	Residual oils (petroleum), hydrotreated, if they contain > 3 % w/w DMSO extract	64742-57-0	265-160-8
782	Residual oils (petroleum), solvent-dewaxed, if they contain > 3 % w/w DMSO extract	64742-62-7	265-166-0
783	Distillates (petroleum), solvent-dewaxed heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-63-8	265-167-6
784	Distillates (petroleum), solvent-dewaxed light naphthenic, if they contain > 3 % w/w DMSO extract	64742-64-9	265-168-1
785	Distillates (petroleum), solvent-dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-65-0	265-169-7
786	Foots oil (petroleum), if it contains > 3 % w/w DMSO extract	64742-67-2	265-171-8
787	Naphthenic oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-68-3	265-172-3
788	Naphthenic oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-69-4	265-173-9
789	Paraffin oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-70-7	265-174-4
790	Paraffin oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-71-8	265-176-5
791	Naphthenic oils (petroleum), complex dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-75-2	265-179-1
792	Naphthenic oils (petroleum), complex dewaxed light, if they contain > 3 % w/w DMSO extract	64742-76-3	265-180-7
793	Extracts (petroleum), heavy naphthenic distillate solvent, arom. Conc., if they contain > 3 % w/w DMSO extract	68783-00-6	272-175-3
794	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract	68783-04-0	272-180-0
795	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted, if they contain > 3 % w/w DMSO	68814-89-1	272-342-0

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	extract		
796	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract	72623-85-9	276-736-3
797	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 86-0	276-737-9
798	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 87-1	276-738-4
799	Lubricating oils, if they contain > 3 % w/w DMSO extract	74869-22-0	278-012-2
800	Distillates (petroleum), complex dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	90640-91-8	292-613-7
801	Distillates (petroleum), complex dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract	90640-92-9	292-614-2
802	Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-94-1	292-616-3
803	Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-95-2	292-617-9
804	Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-96-3	292-618-4
805	Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-97-4	292-620-5
806	Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	90641-07-9	292-631-5
783	Distillates (petroleum), solvent-dewaxed heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-63-8	265-167-6
784	Distillates (petroleum), solvent-dewaxed light naphthenic, if they contain > 3 % w/w DMSO extract	64742-64-9	265-168-1
785	Distillates (petroleum), solvent-dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-65-0	265-169-7
786	Foots oil (petroleum), if it contains > 3 % w/w DMSO extract	64742-67-2	265-171-8
787	Naphthenic oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-68-3	265-172-3
788	Naphthenic oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-69-4	265-173-9
789	Paraffin oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-70-7	265-174-4
790	Paraffin oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-71-8	265-176-5
791	Naphthenic oils (petroleum), complex dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-75-2	265-179-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
792	Naphthenic oils (petroleum), complex dewaxed light, if they contain > 3 % w/w DMSO extract	64742-76-3	265-180-7
793	Extracts (petroleum), heavy naphthenic distillate solvent, arom. Conc., if they contain > 3 % w/w DMSO extract	68783-00-6	272-175-3
794	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract	68783-04-0	272-180-0
795	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted, if they contain > 3 % w/w DMSO extract	68814-89-1	272-342-0
796	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract	72623-85-9	276-736-3
797	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 86-0	276-737-9
798	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 87-1	276-738-4
799	Lubricating oils, if they contain > 3 % w/w DMSO extract	74869-22-0	278-012-2
800	Distillates (petroleum), complex dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	90640-91-8	292-613-7
801	Distillates (petroleum), complex dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract	90640-92-9	292-614-2
802	Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-94-1	292-616-3
803	Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-95-2	292-617-9
804	Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-96-3	292-618-4
805	Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-97-4	292-620-5
806	Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	90641-07-9	292-631-5
829	Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed, if they contain > 3 % w/w DMSO extract	93763-38-3	297-857-8
830	Foots oil (petroleum), acid-treated, if it contains > 3 % w/w DMSO extract	93924-31-3	300-225-7
831	Foots oil (petroleum), clay-treated, if it contains > 3 % w/w DMSO extract	93924-32-4	300-226-2
832	Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate, if they contain > 3 % w/w DMSO extract	93924-61-9	300-257-1
833	Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated, if they contain > 3 % w/w DMSO	94733-08-1	305-588-5

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	extract		
834	Distillates (petroleum), solvent-refined hydrocracked light, if they contain > 3 % w/w DMSO extract	94733-09-2	305-589-0
835	Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based, if they contain > 3 % w/w DMSO extract	94733-15-0	305-594-8
836	Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrogenated raffinate-based, if they contain > 3 % w/w DMSO extract	94733-16-1	305-595-3
837	Hydrocarbons, C13-30, arom. -rich, solvent-extd. naphthenic distillate, if they contain > 3 % w/w DMSO extract	95371-04-3	305-971-7
838	Hydrocarbons, C16-32, arom. rich, solvent-extd. naphthenic distillate, if they contain > 3 % w/w DMSO extract	95371-05-4	305-972-2
839	Hydrocarbons, C37-68, dewaxed deasphalted hydrotreated vacuum distn. Residues, if they contain > 3 % w/w DMSO extract	95371-07-6	305-974-3
840	Hydrocarbons, C37-65, hydrotreated deasphalted vacuum distn. Residues, if they contain > 3 % w/w DMSO extract	95371-08-7	305-975-9
841	Distillates (petroleum), hydrocracked solvent-refined light, if they contain > 3 % w/w DMSO extract	97488-73-8	307-010-7
842	Distillates (petroleum), solvent-refined hydrogenated heavy, if they contain > 3 % w/w DMSO extract	97488-74-9	307-011-2
843	Lubricating oils (petroleum), C18-27, hydrocracked solvent-dewaxed, if they contain > 3 % w/w DMSO extract	97488-95-4	307-034-8
844	Hydrocarbons, C17-30, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights, if they contain > 3 % w/w DMSO extract	97675-87-1	307-661-7
845	Hydrocarbons, C17-40, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights, if they contain > 3 % w/w DMSO extract	97722-06-0	307-755-8
846	Hydrocarbons, C13-27, solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract	97722-09-3	307-758-4
847	Hydrocarbons, C14-29, solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract	97722-10-6	307-760-5
848	Foots oil (petroleum), carbon-treated, if it contains > 3 % w/w DMSO extract	97862-76-5	308-126-0
849	Foots oil (petroleum), silicic acid-treated, if it contains > 3 % w/w DMSO extract	97862-77-6	308-127-6
850	Hydrocarbons, C27-42, dearomatised, if they contain > 3 % w/w DMSO extract	97862-81-2	308-131-8
851	Hydrocarbons, C17-30, hydrotreated distillates, distn. Lights, if they contain > 3 % w/w DMSO extract	97862-82-3	308-132-3
852	Hydrocarbons, C27-45, naphthenic vacuum distn., if they contain > 3 % w/w DMSO extract	97862-83-4	308-133-9
853	Hydrocarbons, C27-45, dearomatised, if they contain > 3 % w/w DMSO extract	97926-68-6	308-287-7
854	Hydrocarbons, C20-58, hydrotreated, if they contain >	97926-70-0	308-289-8

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	Chemical name/INN	CAS number	EC number
a	b	c	d
	3 % w/w DMSO extract		
855	Hydrocarbons, C27-42, naphthenic, if they contain > 3 % w/w DMSO extract	97926-71-1	308-290-3
856	Extracts (petroleum), light paraffinic distillate solvent, carbon-treated, if they contain > 3 % w/w DMSO extract	100684-02-4	309-672-2
857	Extracts (petroleum), light paraffinic distillate solvent, clay-treated, if they contain > 3 % w/w DMSO extract	100684- 03-5	309-673-8
858	Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated, if they contain > 3 % w/w DMSO extract	100684-04-6	309-674-3
859	Extracts (petroleum), light vacuum gas oil solvent, clay-treated, if they contain > 3 % w/w DMSO extract	100684-05-7	309-675-9
860	Residual oils (petroleum), carbon-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract	100684-37-5	309-710-8
861	Residual oils (petroleum), clay-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract	100684-38-6	309-711-3
862	Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-69-2	309-874-0
863	Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-70-5	309-875-6
864	Lubricating oils (petroleum), C20-35, solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-71-6	309-876-1
865	Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-72-7	309-877-7
866	Distillates (petroleum), sweetened middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-86-2	265-088-7
867	Gas oils (petroleum), solvent-refined, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-90-8	265-092-9
868	Distillates (petroleum), solvent-refined middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-91-9	265-093-4
869	Gas oils (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-12-7	265-112-6
870	Distillates (petroleum), acid-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-13-8	265-113-1
871	Distillates (petroleum), acid-treated light, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-14-9	265-114-7

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
872	Gas oils (petroleum), chemically neutralised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-29-6	265-129-9
873	Distillates (petroleum), chemically neutralised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-30-9	265-130-4
874	Distillates (petroleum), clay-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-38-7	265-139-3
875	Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-46-7	265-148-2
876	Gas oils (petroleum), hydrodesulfurised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-79-6	265-182-8
877	Distillates (petroleum), hydrodesulfurised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-80-9	265-183-3
878	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-29-2	270-719-4
879	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-30-5	270-721-5
880	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-31-6	270-722-0
881	Alkanes, C12-26, branched and linear, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90622-53-0	292-454-3
882	Distillates (petroleum), highly refined middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90640-93-0	292-615-8
883	Distillates (petroleum), catalytic reformer, heavy arom. conc., except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	91995-34-5	295-294-2
884	Gas oils, paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	93924-33-5	300-227-8

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
885	Naphtha (petroleum), solvent-refined hydrodesulfurised heavy, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97488-96-5	307-035-3
886	Hydrocarbons, C16-20, hydrotreated middle distillate, distn. Lights, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97675- 85-9	307-659-6
887	Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97675-86-0	307-660-1
888	Hydrocarbons, C11-17, solvent-extd. light naphthenic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97722-08-2	307-757-9
889	Gas oils, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-78-7	308-128-1
890	Distillates (petroleum), carbon-treated light paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-97-4	309-667-5
891	Distillates (petroleum), intermediate paraffinic, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-98-5	309-668-0
892	Distillates (petroleum), intermediate paraffinic, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-99-6	309-669-6
893	Lubricating greases, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	74869-21-9	278-011-7
894	Slack wax (petroleum), except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-61-6	265-165-5
895	Slack wax (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90669-77-5	292-659-8
896	Slack wax (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90669-78-6	292-660-3
897	Slack wax (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92062-09-4	295-523-6
898	Slack wax (petroleum), low-melting, except if the full refining history is known and it can be shown that the	92062-10-7	295-524-1

Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	substance from which it is produced is not a carcinogen		
899	Slack wax (petroleum), low-melting, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92062-11-8	295-525-7
900	Slack wax (petroleum), low-melting, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-04-2	308-155-9
901	Slack wax (petroleum), low-melting, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-05-3	308-156-4
902	Slack wax (petroleum), low-melting, silicic acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-06-4	308-158-5
903	Slack wax (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100684-49-9	309-723-9
904	Petrolatum, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	8009-03-8	232-373-2
905	Petrolatum (petroleum), oxidised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64743-01-7	265-206-7
906	Petrolatum (petroleum), alumina-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	85029-74-9	285-098-5
907	Petrolatum (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92045-77-7	295-459-9
908	Petrolatum (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-97-0	308-149-6
909	Petrolatum (petroleum), silicic acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-98-1	308-150-1
910	Petrolatum (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100684-33-1	309-706-6
911	Distillates (petroleum), light catalytic cracked	64741-59-9	265-060-4
912	Distillates (petroleum), intermediate catalytic cracked	64741-60-2	265-062-5
913	Distillates (petroleum), light thermal cracked	64741-82-8	265-084-5

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
914	Distillates (petroleum), hydrodesulfurised light catalytic cracked	68333-25-5	269-781-5
915	Distillates (petroleum), light steam-cracked naphtha	68475-80-9	270-662-5
916	Distillates (petroleum), cracked steam-cracked petroleum distillates	68477-38-3	270-727-8
917	Gas oils (petroleum), steam-cracked	68527-18-4	271-260-2
918	Distillates (petroleum), hydrodesulfurised thermal cracked middle	85116-53-6	285-505-6
919	Gas oils (petroleum), thermal-cracked, hydrodesulfurised	92045-29-9	295-411-7
920	Residues (petroleum), hydrogenated steam-cracked naphtha	92062-00-5	295-514-7
921	Residues (petroleum), steam-cracked naphtha distn.	92062-04-9	295-517-3
922	Distillates (petroleum), light catalytic cracked, thermally degraded	92201-60-0	295-991-1
923	Residues (petroleum), steam-cracked heat-soaked naphtha	93763-85-0	297-905-8
924	Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurised	97926-59-5	308-278-8
925	Distillates (petroleum), hydrodesulfurised middle coker	101316-59-0	309-865-1
926	Distillates (petroleum), heavy steam-cracked	101631-14-5	309-939-3
927	Residues (petroleum), atm. Tower	64741-45-3	265-045-2
928	Gas oils (petroleum), heavy vacuum	64741-57-7	265-058-3
929	Distillates (petroleum), heavy catalytic cracked	64741-61-3	265-063-0
930	Clarified oils (petroleum), catalytic cracked	64741-62-4	265-064-6
931	Residues (petroleum), catalytic reformer fractionator	64741-67-9	265-069-3
932	Residues (petroleum), hydrocracked	64741-75-9	265-076-1
933	Residues (petroleum), thermal cracked	64741-80-6	265-081-9
934	Distillates (petroleum), heavy thermal cracked	64741-81-7	265-082-4
935	Gas oils (petroleum), hydrotreated vacuum	64742-59-2	265-162-9
936	Residues (petroleum), hydrodesulfurised atmospheric tower	64742-78-5	265-181-2
937	Gas oils (petroleum), hydrodesulfurised heavy vacuum	64742-86-5	265-189-6
938	Residues (petroleum), steam-cracked	64742-90-1	265-193-8
939	Residues (petroleum), atmospheric	68333-22-2	269-777-3
940	Clarified oils (petroleum), hydrodesulfurised catalytic cracked	68333-26-6	269-782-0
941	Distillates (petroleum), hydrodesulfurised intermediate catalytic cracked	68333-27-7	269-783-6
942	Distillates (petroleum), hydrodesulfurised heavy catalytic cracked	68333-28-8	269-784-1
943	Fuel oil, residues-straight-run gas oils, high-sulfur	68476-32-4	270-674-0
944	Fuel oil, residual	68476-33-5	270-675-6
945	Residues (petroleum), catalytic reformer fractionator	68478-13-7	270-792-2

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	residue distn.		
946	Residues (petroleum), heavy coker gas oil and vacuum gas oil	68478-17-1	270-796-4
947	Residues (petroleum), heavy coker and light vacuum	68512-61-8	270-983-0
948	Residues (petroleum), light vacuum	68512-62-9	270-984-6
949	Residues (petroleum), steam-cracked light	68513-69-9	271-013-9
950	Fuel oil, No 6	68553-00-4	271-384-7
951	Residues (petroleum), topping plant, low-sulfur	68607-30-7	271-763-7
952	Gas oils (petroleum), heavy atmospheric	68783-08-4	272-184-2
953	Residues (petroleum), coker scrubber, condensed-ring-arom. -contg	68783-13-1	272-187-9
954	Distillates (petroleum), petroleum residues vacuum	68955-27-1	273-263-4
955	Residues (petroleum), steam-cracked, resinous	68955-36-2	273-272-3
956	Distillates (petroleum), intermediate vacuum	70592-76-6	274-683-0
957	Distillates (petroleum), light vacuum	70592-77-7	274-684-6
958	Distillates (petroleum), vacuum	70592-78-8	274-685-1
959	Gas oils (petroleum), hydrodesulfurised coker heavy vacuum	85117-03-9	285-555-9
960	Residues (petroleum), steam-cracked, distillates	90669-75-3	292-657-7
961	Residues (petroleum), vacuum, light	90669-76-4	292-658-2
962	Fuel oil, heavy, high-sulfur	92045-14-2	295-396-7
963	Residues (petroleum), catalytic cracking	92061-97-7	295-511-0
964	Distillates (petroleum), intermediate catalytic cracked, thermally degraded	92201-59-7	295-990-6
965	Residual oils (petroleum)	93821-66-0	298-754-0
966	Residues, steam cracked, thermally treated	98219-64-8	308-733-0
967	Distillates (petroleum), hydrodesulfurised full-range middle	101316-57-8	309-863-0
968	Distillates (petroleum), light paraffinic	64741-50-0	265-051-5
969	Distillates (petroleum), heavy paraffinic	64741-51-1	265-052-0
970	Distillates (petroleum), light naphthenic	64741-52-2	265-053-6
971	Distillates (petroleum), heavy naphthenic	64741-53-3	265-054-1
972	Distillates (petroleum), acid-treated heavy naphthenic	64742-18-3	265-117-3
973	Distillates (petroleum), acid-treated light naphthenic	64742-19-4	265-118-9
974	Distillates (petroleum), acid-treated heavy paraffinic	64742-20-7	265-119-4
975	Distillates (petroleum), acid-treated light paraffinic	64742-21-8	265-121-5
976	Distillates (petroleum), chemically neutralised heavy paraffinic	64742-27-4	265-127-8
977	Distillates (petroleum), chemically neutralised light paraffinic	64742-28-5	265-128-3
978	Distillates (petroleum), chemically neutralised heavy naphthenic	64742-34-3	265-135-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
979	Distillates (petroleum), chemically neutralised light naphthenic	64742-35-4	265-136-7
980	Extracts (petroleum), light naphthenic distillate solvent	64742-03-6	265-102-1
981	Extracts (petroleum), heavy paraffinic distillate solvent	64742-04-7	265-103-7
982	Extracts (petroleum), light paraffinic distillate solvent	64742-05-8	265-104-2
983	Extracts (petroleum), heavy naphthenic distillate solvent	64742-11-6	265-111-0
984	Extracts (petroleum), light vacuum gas oil solvent	91995-78-7	295-341-7
985	Hydrocarbons, C26-55, arom. rich	97722-04-8	307-753-7
986	Disodium 3,3′-[[1,1′-biphenyl]-4,4′-diylbis(azo)]bis(4-aminonaphthalene- 1-sulphonate)	573-58-0	209-358-4
987	Disodium 4-amino-3-[[4′-[(2,4-diaminophenyl)azo][1,1′-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene- 2,7-disulphonate	1937-37-7	217-710-3
988	Tetrasodium 3,3′-[[1,1′-biphenyl]-4,4′-diylbis(azo)]bis[5-amino- 4-hydroxynaphthalene-2,7-disulphonate]	2602-46-2	220-012-1
989	4-o-Tolylazo-o-toluidine	97-56-3	202-591-2
990	4-Aminoazobenzene	60-09-3	200-453-6
991	Disodium[5-[[4′-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl) azo]phenyl]azo][1,1′-biphenyl]-4-yl]azo]salicylato(4-)]cuprate(2-)	16071-86-6	240-221-1
992	Resorcinol diglycidyl ether	101-90-6	202-987-5
993	1,3-Diphenylguanidine	102-06-7	203-002-1
994	Heptachlor-epoxide	1024-57-3	213-831-0
995	4-Nitrosophenol	104-91-6	203-251-6
996	Carbendazim	10605-21-7	234-232-0
997	Allyl glycidyl ether	106-92-3	203-442-4
998	Chloroacetaldehyde	107-20-0	203-472-8
999	Hexane	110-54-3	203-777-6
1000	2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether; DEGME)	111-77-3	203-906-6
1001	(+/–)-2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2, 2-tetrafluoroethylether (Tetraconazole - ISO)	112281-77-3	407-760-6
1002	4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy- 5-nitroanthraquinone	114565-66-1	406-057-1
1003	5,6,12,13-Tetrachloroanthra(2,1,9-def:6,5,10-d’e’f’)diisoquinoline-1,3, 8,10(2H,9H)-tetrone	115662-06-1	405-100-1
1004	tris(2-Chloroethyl) phosphate	115-96-8	204-118-5
1005	4′-Ethoxy-2-benzimidazoleanilide	120187-29-3	407-600-5
1006	Nickel dihydroxide	12054-48-7	235-008-5
1007	N,N-Dimethylaniline	121-69-7	204-493-5

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1008	Simazine	122-34-9	204-535-2
1009	bis(Cyclopentadienyl)-bis(2,6-difluoro-3-(pyrrol-1-yl)-phenyl)titanium	125051-32-3	412-000-1
1010	N,N,N′,N′-Tetraglycidyl-4,4′-diamino-3,3′-diethyldiphenylmethane	130728-76-6	410-060-3
1011	Divanadium pentaoxide	1314-62-1	215-239-8
1012	Pentachlorophenol and its alkali salts	87-86-5/ 131-52-2/ 7778-73-6	201-778-6/ 205-025-2/ 231-911-3
1013	Phosphamidon	13171-21-6	236-116-5
1014	N-(Trichloromethylthio)phthalimide (Folpet - ISO)	133-07-3	205-088-6
1015	N-2-Naphthylaniline	135-88-6	205-223-9
1016	Ziram	137-30-4	205-288-3
1017	1-Bromo-3,4,5-trifluorobenzene	138526-69-9	418-480-9
1018	Propazine	139-40-2	205-359-9
1019	3-(4-Chlorophenyl)-1,1-dimethyluronium trichloroacetate; monuron-TCA	140-41-0	006-043-00-1
1020	Isoxaflutole	141112-29-0	606-054-00-7
1021	Kresoxim-methyl	143390-89-0	607-310-00-0
1022	Chlordecone	143-50-0	205-601-3
1023	9-Vinylcarbazole	1484-13-5	216-055-0
1024	2-Ethylhexanoic acid	149-57-5	205-743-6
1025	Monuron	150-68-5	205-766-1
1026	Morpholine-4-carbonyl chloride	15159-40-7	239-213-0
1027	Daminozide	1596-84-5	216-485-9
1028	Alachlor (ISO)	15972-60-8	240-110-8
1029	UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C16-18 tallow alkylamine	166242-53-1	422-720-8
1030	Ioxynil and Ioxynil octanoate (ISO)	1689-83-4/ 3861-47-0	216-881-1/ 223-375-4
1031	Bromoxynil (ISO) (3,5-Dibromo-4-hydroxybenzonitrile) and Bromoxynil heptanoate (ISO)	1689-84-5/ 56634-95-8	216-882-7/ 260-300-4
1032	2,6-Dibromo-4-cyanophenyl octanoate	1689-99-2	216-885-3
1033	Moved or deleted		
1034	5-Chloro-1,3-dihydro-2H-indol-2-one	17630-75-0	412-200-9
1035	Benomyl	17804-35-2	241-775-7
1036	Chlorothalonil	1897-45-6	217-588-1
1037	N′-(4-Chloro-o-tolyl)-N,N-dimethylformamidine monohydrochloride	19750-95-9	243-269-1
1038	4,4′-Methylenebis(2-ethylaniline)	19900-65-3	243-420-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1039	Valinamide	20108-78-5	402-840-7
1040	[(p-Tolyloxy)methyl]oxirane	2186-24-5	218-574-8
1041	[(m-Tolyloxy)methyl]oxirane	2186-25-6	218-575-3
1042	2,3-Epoxypropyl o-tolyl ether	2210-79-9	218-645-3
1043	[(Tolyloxy)methyl]oxirane, cresyl glycidyl ether	26447-14-3	247-711-4
1044	Di-allate	2303-16-4	218-961-1
1045	Benzyl 2,4-dibromobutanoate	23085-60-1	420-710-8
1046	Trifluoroiodomethane	2314-97-8	219-014-5
1047	Thiophanate-methyl	23564-05-8	245-740-7
1048	Dodecachloropentacyclo[5.2.1.02,6.03,905,8]decane (Mirex)	2385-85-5	219-196-6
1049	Propyzamide	23950-58-5	245-951-4
1050	Butyl glycidyl ether	2426-08-6	219-376-4
1051	2,3,4-Trichlorobut-1-ene	2431-50-7	219-397-9
1052	Chinomethionate	2439-01-2	219-455-3
1053	(R)-α-Phenylethylammonium (-)-(1R,2S)-(1,2-epoxypropyl)phosphonate monohydrate	25383-07-7	418-570-8
1054	5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (Etridiazole - ISO)	2593-15-9	219-991-8
1055	Disperse Yellow 3	2832-40-8	220-600-8
1056	1,2,4-Triazole	288-88-0	206-022-9
1057	Aldrin (ISO)	309-00-2	206-215-8
1058	Diuron (ISO)	330-54-1	206-354-4
1059	Linuron (ISO)	330-55-2	206-356-5
1060	Nickel carbonate	3333-67-3	222-068-2
1061	3-(4-Isopropylphenyl)-1,1-dimethylurea (Isoproturon - ISO)	34123-59-6	251-835-4
1062	Iprodione	36734-19-7	253-178-9
1063	Moved or deleted		
1064	5-(2,4-Dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran	41107-56-6	415-360-8
1065	Crotonaldehyde	4170-30-3	224-030-0
1066	Hexahydrocyclopenta(c)pyrrole-1-(1H)-ammonium N-ethoxycarbonyl-N-(p-tolylsulfonyl)azanide		418-350-1
1067	4,4′-Carbonimidoylbis[N,N-dimethylaniline] and its salts	492-80-8	207-762-5
1068	DNOC (ISO)	534-52-1	208-601-1
1069	Toluidinium chloride	540-23-8	208-740-8
1070	Toluidine sulphate (1:1)	540-25-0	208-741-3
1071	2-(4-tert.-Butylphenyl)ethanol	5406-86-0	410-020-5
1072	Fenthion	55-38-9	200-231-9

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1073	Chlordane, pur	57-74-9	200-349-0
1074	Hexan-2-one (Methyl butyl ketone)	591-78-6	209-731-1
1075	Fenarimol	60168-88-9	262-095-7
1076	Acetamide	60-35-5	200-473-5
1077	N-Cyclohexyl-N-methoxy-2,5-dimethyl-3-furamide (Furmecyclox - ISO)	60568-05-0	262-302-0
1078	Dieldrin	60-57-1	200-484-5
1079	4,4′-Isobutylethylidenediphenol	6807-17-6	401-720-1
1080	Chlordimeform	6164-98-3	228-200-5
1081	Amitrole	61-82-5	200-521-5
1082	Carbaryl	63-25-2	200-555-0
1083	Distillates (petroleum), light hydrocracked	64741-77-1	265-078-2
1084	1-Ethyl-1-methylmorpholinium bromide	65756-41-4	612-182-00-4
1085	(3-Chlorophenyl)-(4-methoxy-3-nitrophenyl)methanone	66938-41-8	423-290-4
1086	Fuels, diesel, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68334-30-5	269-822-7
1087	Fuel oil, no. 2	68476-30-2	270-671-4
1088	Fuel oil, no. 4	68476-31-3	270-673-5
1089	Fuels, diesel, no. 2	68476-34-6	270-676-1
1090	2,2-Dibromo-2-nitroethanol	69094-18-4	412-380-9
1091	1-Ethyl-1-methylpyrrolidinium bromide	69227-51-6	612-183-00-X
1092	Monocrotophos	6923-22-4	230-042-7
1093	Nickel	7440-02-0	231-111-4
1094	Bromomethane (Methyl bromide - ISO)	74-83-9	200-813-2
1095	Chloromethane (Methyl chloride)	74-87-3	200-817-4
1096	Iodomethane (Methyl iodide)	74-88-4	200-819-5
1097	Bromoethane (Ethyl bromide)	74-96-4	200-825-8
1098	Heptachlor	76-44-8	200-962-3
1099	Fentin hydroxide	76-87-9	200-990-6
1100	Nickel sulphate	7786-81-4	232-104-9
1101	3,5,5-Trimethylcyclohex-2-enone (Isophorone)	78-59-1	201-126-0
1102	2,3-Dichloropropene	78-88-6	201-153-8
1103	Fluazifop-P-butyl (ISO)	79241-46-6	607-305-00-3
1104	(S)-2,3-Dihydro-1H-indole-carboxylic acid	79815-20-6	410-860-2
1105	Toxaphene	8001-35-2	232-283-3
1106	(4-Hydrazinophenyl)-N-methylmethanesulfonamide hydrochloride	81880-96-8	406-090-1
1107	CI Solvent Yellow 14	842-07-9	212-668-2

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1108	Chlozolinate	84332-86-5	282-714-4
1109	Alkanes, C10-13, monochloro	85535-84-8	287-476-5
1110	Moved or deleted		
1111	2,4,6-Trichlorophenol	88-06-2	201-795-9
1112	Diethylcarbamoyl-chloride	88-10-8	201-798-5
1113	1-Vinyl-2-pyrrolidone	88-12-0	201-800-4
1114	Myclobutanil (ISO) (2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile)	88671-89-0	410-400-0
1115	Fentin acetate	900-95-8	212-984-0
1116	Biphenyl-2-ylamine	90-41-5	201-990-9
1117	Trans-4-cyclohexyl-L-proline monohydro-chloride	90657-55-9	419-160-1
1118	2-Methyl-m-phenylene diisocyanate (Toluene 2,6-diisocyanate)	91-08-7	202-039-0
1119	4-Methyl-m-phenylene diisocyanate (Toluene 2,4-diisocyanate)	584-84-9	209-544-5
1120	m-Tolylidene diisocyanate (Toluene diisocyanate)	26471-62-5	247-722-4
1121	Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated	94114-58-6	302-694-3
1122	Fuels, diesel, coal solvent extn., hydrocracked hydrogenated	94114-59-7	302-695-9
1123	Pitch, if it contains > 0,005 % w/w benzo[a]pyrene	61789-60-4	263-072-4
1124	2-Butanone oxime	96-29-7	202-496-6
1125	Hydrocarbons, C16-20, solvent-dewaxed hydrocracked paraffinic distn. Residue	97675-88-2	307-662-2
1126	α,α-Dichlorotoluene	98-87-3	202-709-2
1127	Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate)fibres with random orientation with alkaline oxide and alkali earth oxide (Na2O + K2O + CaO + MgO + BaO) content greater than 18 % by weight]		
1128	Reaction product of acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid		406-230-1
1129	Moved or deleted		
1130	Moved or deleted		
1131	Trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulfonato- 1-naphtholato)chromate(1-)		400-810-8
1132	A mixture of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)-phenoxy) 2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)-phenoxy-2-hydroxypropyl-2-(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2- hydroxypropyl)-2-(2,3-epoxypropyl)phenoxy)phenol		417-470-1

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	and 4-allyl-6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)-phenoxy)- 2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy) 2-hydroxypropyl)-2-(2,3-epoxypropyl)phenol		
1133	Costus root oil (Saussurea lappa Clarke), when used as a fragrance ingredient	8023-88-9	
1134	7-Ethoxy-4-methylcoumarin, when used as a fragrance ingredient	87-05-8	201-721-5
1135	Hexahydrocoumarin, when used as a fragrance ingredient	700-82-3	211-851-4
1136	Peru balsam (INCI name: Myroxylon pereirae), when used as a fragrance ingredient	8007-00-9	232-352-8
1137	Isobutyl nitrite	542-56-2	208-819-7
1138	Isoprene (stabilized); (2-methyl-1,3-butadiene)	78-79-5	201-143-3
1139	1-Bromopropane; n-Propyl bromide	106-94-5	203-445-0
1140	Chloroprene (stabilized); (2-Chlorobuta-1,3-diene)	126-99-8	204-818-0
1141	1,2,3-Trichloropropane	96-18-4	202-486-1
1142	Ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
1143	Dinocap (ISO)	39300-45-3	254-408-0
1144	Diaminotoluene, technical product -mixture of [4-methyl-m- phenylenediamine] (4) and [2-methyl-m-phenylenediamine] (5) Methyl-phenylenediamine	25376-45-8	246-910-3
1145	p-Chlorobenzotrichloride	5216-25-1	226-009-1
1146	Diphenylether; octabromo derivate	32536-52-0	251-087-9
1147	1,2-bis(2-Methoxyethoxy)ethane; Triethylene glycol dimethyl ether (TEGDME)	112-49-2	203-977-3
1148	Tetrahydrothiopyran-3-carboxaldehyde	61571-06-0	407-330-8
1149	4,4′-bis(Dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5
1150	Oxiranemethanol, 4-methylbenzene-sulfonate, (S)-	70987-78-9	417-210-7
1151	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear [1]	84777-06-0 [1]	284-032-2
	n-Pentyl-isopentylphthalate [2]-	[2]	
	di-n-Pentyl phthalate [3]	131-18-0 [3]	205-017-9
	Diisopentylphthalate [4]	605-50-5 [4]	210-088-4
1152	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
1153	1,2-Benzenedicarboxylic acid, di-C7-11, branched and linear alkyl esters	68515-42-4	271-084-6
1154	A mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl- 5-hydroxy-1-(4-sulfonatophenyl) pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate and trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro- 5-oxopyrazol-1-yl)benzenesulfonate		402-660-9

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a	b	c	d
1155	(Methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1, 2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diyl))) -1,1′-dipyridinium dichloride dihydrochloride		401-500-5
1156	2-[2-Hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo] -7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo] fluoren-9-one		420-580-2
1157	Azafenidin	68049-83-2	
1158	2,4,5-Trimethylaniline [1]	137-17-7 [1]	205-282-0
	2,4,5-Trimethylaniline hydrochloride [2]	21436-97-5 [2]	
1159	4,4′-Thiodianiline and its salts	139-65-1	205-370-9
1160	4,4′-Oxydianiline (p-Aminophenyl ether) and its salts	101-80-4	202-977-0
1161	N,N,N′,N′-Tetramethyl-4,4′-methylenedianiline	101-61-1	202-959-2
1162	6-Methoxy-m-toluidine; (p-Cresidine)	120-71-8	204-419-1
1163	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
1164	A mixture of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione and a mixture of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly [3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin- 1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione		421-550-1
1165	2-Nitrotoluene	88-72-2	201-853-3
1166	Tributyl phosphate	126-73-8	204-800-2
1167	Naphthalene	91-20-3	202-049-5
1168	Nonylphenol [1]	25154-52-3 [1]	246-672-0
	4-Nonylphenol, branched [2]	84852-15-3 [2]	284-325-5
1169	1,1,2-Trichloroethane	79-00-5	201-166-9
1170	Moved or deleted		
1171	Moved or deleted		
1172	allyl chloride; (3-Chloropropene)	107-05-1	203-457-6
1173	1,4-Dichlorobenzene; (p-Dichlorobenzene)	106-46-7	203-400-5
1174	bis(2-Chloroethyl) ether	111-44-4	203-870-1
1175	Phenol	108-95-2	203-632-7
1176	Bisphenol A (4,4′-Isopropylidenediphenol)	80-05-7	201-245-8
1177	Trioxymethylene (1,3,5-Trioxan)	110-88-3	203-812-5
1178	Propargite (ISO)	2312-35-8	219-006-1
1179	1-Chloro-4-nitrobenzene	100-00-5	202-809-6
1180	Molinate (ISO)	2212-67-1	218-661-0
1181	Fenpropimorph (ISO)	67564-91-4	266-719-9

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1182	Moved or deleted		
1183	Methyl isocyanate	624-83-9	210-866-3
1184	N,N-Dimethylanilinium tetrakis(pentafluorophenyl)borate	118612-00-3	422-050-6
1185	O,O′-(Ethenylmethylsilylene) di[(4-methylpentan-2-one) oxime]		421-870-1
1186	A 2:1 mixture of: 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinol-4-yl-tris (6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate) and 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinolbis (6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate)	140698-96-0	414-770-4
1187	A mixture of: reaction product of 4,4′-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalenesulfonate (1:2) and reaction product of 4,4′-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalenesulfonate (1:3)		417-980-4
1188	Malachite green hydrochloride [1]	569-64-2 [1]	209-322-8
	Malachite green oxalate [2]	18015-76-4 [2]	241-922-5
1189	1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl) pentan-3-ol	107534-96-3	403-640-2
1190	5-(3-Butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]- 3-hydroxycyclohex-2-en-1-one	138164-12-2	414-790-3
1191	trans-4-Phenyl-L-proline	96314-26-0	416-020-1
1192	Moved or deleted		
1193	A mixture of: 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]- 2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid and 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid	163879-69-4	418-230-9
1194	2-{]4-(2-Ammoniopropylamino)-6-[}4-hydroxy-3-(5-methyl- 2-methoxy-4-sulfamoylphenylazo)-2-sulfonatonaphth-7-ylamino{] -1,3,5-triazin-2-ylamino[}-2-aminopropyl formate		424-260-3
1195	5-Nitro-o-toluidine [1]	99-55-8 [1]	202-765-8
	5-Nitro-o-toluidine hydrochloride [2]	51085-52-0 [2]	256-960-8
1196	1-(1-Naphthylmethyl)quinolinium chloride	65322-65-8	406-220-7
1197	(R)-5-Bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole	143322-57-0	422-390-5
1198	Pymetrozine (ISO)	123312-89-0	613-202-00-4
1199	Oxadiargyl (ISO)	39807-15-3	254-637-6
1200	Chlorotoluron (3-(3-chloro-p-tolyl)-1,1-dimethylurea)	15545-48-9	239-592-2

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a	b	c	d
1201	N-[2-(3-Acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl] acetamide		416-860-9
1202	1,3-bis(Vinylsulfonylacetamido)propane	93629-90-4	428-350-3
1203	p-Phenetidine (4-Ethoxyaniline)	156-43-4	205-855-5
1204	m-Phenylenediamine and its salts	108-45-2	203-584-7
1205	Residues (coal tar), creosote oil distn., if it contains > 0,005 % w/w benzo[a]pyrene	92061-93-3	295-506-3
1206	Creosote oil, acenaphthene fraction, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	90640-84-9	292-605-3
1207	Creosote oil, if it contains > 0,005 % w/w benzo[a]pyrene	61789-28-4	263-047-8
1208	Creosote, if it contains > 0,005 % w/w benzo[a]pyrene	8001-58-9	232-287-5
1209	Creosote oil, high-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-79-8	274-565-9
1210	Extract residues (coal), creosote oil acid, wash oil extract residue, if it contains > 0,005 % w/w benzo[a]pyrene	122384-77-4	310-189-4
1211	Creosote oil, low-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-80-1	274-566-4
1212	6-Methoxy-2,3-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	94166-62-8	303-358-9
1213	2,3-Naphthalenediol, when used as a substance in hair dye products	92-44-4	202-156-7
1214	2,4-Diaminodiphenylamine, when used as a substance in hair dye products	136-17-4	
1215	2,6-Bis(2-Hydroxyethoxy)-3,5-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	117907-42-3	
1216	2-Methoxymethyl-p-Aminophenol and its HCl salt, when used as a substance in hair dye products	135043-65-1/ 29785-47-5	
1217	4,5-Diamino-1-Methylpyrazole and its HCl salt, when used as a substance in hair dye products	20055-01-0/ 21616-59-1	
1218	4,5-Diamino-1-((4-Chlorophenyl)Methyl)-1H-Pyrazole Sulfate, when used as a substance in hair dye products	163183-00-4	
1219	4-Chloro-2-Aminophenol, when used as a substance in hair dye products	95-85-2	202-458-9
1220	4-Hydroxyindole, when used as a substance in hair dye products	2380-94-1	219-177-2
1221	4-Methoxytoluene-2,5-Diamine and its HCl salt, when used as a substance in hair dye products	56496-88-9	
1222	5-Amino-4-Fluoro-2-Methylphenol Sulfate, when used as a substance in hair dye products	163183-01-5	
1223	N,N-Diethyl-m-Aminophenol, when used as a substance in hair dye products	91-68-9/ 68239-84-9	202-090-9/ 269-478-8
1224	N,N-Dimethyl-2,6-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	—	
1225	N-Cyclopentyl-m-Aminophenol, when used as a substance in hair dye products	104903-49-3	
1226	N-(2-Methoxyethyl)-p-phenylenediamine and its HCl	72584-59-	276-723-2

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	salt, when used as a substance in hair dye products	9/ 66566-48-1	
1227	2,4-Diamino-5-methylphenetol and its HCl salt, when used as a substance in hair dye products	113715-25-6	
1228	1,7-Naphthalenediol, when used as a substance in hair dye products	575-38-2	209-383-0
1229	3,4-Diaminobenzoic acid, when used as a substance in hair dye products	619-05-6	210-577-2
1230	2-Aminomethyl-p-aminophenol and its HCl salt, when used as a substance in hair dye products	79352-72-0	
1231	Solvent Red 1 (CI 12150), when used as a substance in hair dye products	1229-55-6	214-968-9
1232	Acid Orange 24 (CI 20170), when used as a substance in hair dye products	1320-07-6	215-296-9
1233	Acid Red 73 (CI 27290), when used as a substance in hair dye products	5413-75-2	226-502-1
1234	PEG-3,2′,2′-di-p-Phenylenediamine	144644-13-3	
1235	6-Nitro-o-Toluidine	570-24-1	209-329-6
1236	HC Yellow No 11	73388-54-2	
1237	HC Orange No 3	81612-54-6	
1238	HC Green No 1	52136-25-1	257-687-7
1239	HC Red No 8 and its salts	13556-29-1/ 97404-14-3	- / 306-778-0
1240	Tetrahydro-6-nitroquinoxaline and its salts	158006-54-3/ 41959-35-7/ 73855-45-5	
1241	Disperse Red 15, except as impurity in Disperse Violet 1	116-85-8	204-163-0
1242	4-Amino-3-fluorophenol	399-95-1	402-230-0
1243	N,N′-dihexadecyl-N,N′-bis(2-hydroxyethyl)propanediamide Bishydroxyethyl Biscetyl Malonamide	149591-38-8	422-560-9
1244	1-Methyl-2,4,5-trihydroxybenzene and its salts, when used as a sub- stance in hair dye products	1124-09-0	214-390-7
1245	2,6-Dihydroxy-4-methylpyridine and its salts, when used as a sub- stance in hair dye products	4664-16-8	225-108-7
1246	5-Hydroxy-1,4-benzodioxane and its salts, when used as a substance in hair dye products	10288-36-5	233-639-0
1247	3,4-Methylenedioxyphenol and its salts, when used as a substance in hair dye products	533-31-3	208-561-5
1248	3,4-Methylenedioxyaniline and its salts, when used as a substance in hair dye products	14268-66-7	238-161-6
1249	Hydroxypyridinone and its salts, when used as a substance in hair dye products	822-89-9	212-506-0
1250	3-Nitro-4-aminophenoxyethanol and its salts, when used as a sub- stance in hair dye products	50982-74-6	
1251	2-methoxy-4-nitrophenol (4-Nitroguaiacol) and its salts, when used as a substance in hair dye products	3251-56-7	221-839-0

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1252	CI Acid Black 131 and its salts, when used as a substance in hair dye products	12219-01-1	
1253	1,3,5-Trihydroxybenzene (Phloroglucinol) and its salts, when used as a substance in hair dye products	108-73-6	203-611-2
1254	1,2,4-Benzenetriacetate and its salts, when used as a substance in hair dye products	613-03-6	210-327-2
1255	Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2- nitro-1,4-benzenediamine (HC Blue No. 5) and its salts, when used as a substance in hair dye products	68478-64-8/ 158571-58-5	
1256	N-Methyl-1,4-diaminoanthraquinone, reaction products with epichlo- rohydrin and monoethanolamine (HC Blue No. 4) and its salts, when used as a substance in hair dye products	158571-57-4	
1257	4-Aminobenzenesulfonic acid (Sulfanilic acid) and its salts, when used as a substance in hair dye products	121-57-3/ 515-74-2	204-482-5/ 208-208-5
1258	3,3'-(Sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-(phenylamino)) benzenesulfonic acid and its salts, when used as a substance in hair dye products	6373-79-1	228-922-0
1259	3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H- 1,2,4-triazolium and its salts, when used as a substance in hair dye products	89959-98-8/ 12221-69-1	289-660-0
1260	2,2'-((3-Chloro-4-((2,6-dichloro-4-nitrophenyl)azo)phenyl)imino)bisethanol (Disperse Brown 1) and its salts, when used as a substance in hair dye products	23355-64-8	245-604-7
1261	Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6- methoxy-3-methyl-, and its salts, when used as a substance in hair dye products	12270-13-2	235-546-0
1262	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3- oxobutanamide (Pigment Yellow 73) and its salts, when used as a sub- stance in hair dye products	13515-40-7	236-852-7
1263	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-N-phenylbutanamide] (Pigment Yellow 12) and its salts, when used as a substance in hair dye products	6358-85-6	228-787-8
1264	2,2'-(1,2-Ethenediyl)bis[5-((4-ethoxyphenyl)azo]benzenesulfonic acid) and its salts, when used as a substance in hair dye products	2870-32-8	220-698-2
1265	2,3-Dihydro-2,2-dimethyl-6-[(4-(phenylazo)-1-naphthalenyl)azo]- 1H-pyrimidine (Solvent Black 3) and its salts, when used as a substance in hair dye products	4197-25-5	224-087-1
1266	3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylic acid and its salts, when used as a substance in hair dye products	3442-21-5/ 34977-63-4	222-351-0/ 252-305-5
1267	2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[(4-sulfophenyl)azo]phenyl]azo]-, and its salts, when used as a substance in hair dye products	2610-11-9	220-028-9
1268	(μ-((7,7'-Iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl) phenyl)azo)naphthalene-2-	37279-54-2	253-441-8

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	sulphonato))(6-)))dicuprate(2-) and its salts, when used as a substance in hair dye products		
1269	3-[(4-(Acetylamino)phenyl)azo]-4-hydroxy-7-[[[[5-hydroxy-6-(phenylazo)-7-sulfo-2-naphthalenyl]amino]carbonyl]amino]-2-naphthalenesulfonic acid and its salts, when used as a substance in hair dye products	3441-14-3	222-348-4
1270	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[[2-sulfo-4-[(4-sulfophenyl) azo]phenyl]azo]-, and its salts, when used as a substance in hair dye products	2610-10-8/ 25188-41-4	220-027-3
1271	Ethanaminium, N-(4-[bis[4-(diethylamino)phenyl]methylene]-2,5- cyclohexadien-1-ylidene)-N-ethyl-, and its salts, when used as a substance in hair dye products	2390-59-2	219-231-5
1272	3H-Indolium, 2-[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products	54060-92-3	258-946-7
1273	3H-Indolium, 2-(2-((2,4-dimethoxyphenyl)amino)ethenyl)-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products	4208-80-4	224-132-5
1274	Nigrosine spirit soluble (Solvent Black 5), when used as a substance in hair dye products	11099-03-9	
1275	Phenoxazin-5-ium, 3,7-bis(diethylamino)-, and its salts, when used as a substance in hair dye products	47367-75-9/ 33203-82-6	251-403-5
1276	Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts, when used as a substance in hair dye products	7057-57-0/ 966-62-1	230-338-6/ 213-524-1
1277	6-Amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)- dione (Solvent Yellow 44) and its salts, when used as a substance in hair dye products	2478-20-8	219-607-9
1278	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone and its salts, when used as a substance in hair dye products	67905-56-0/ 12217-43-5	267-677-4/ 235-398-7
1279	Laccaic Acid (CI Natural Red 25) and its salts, when used as a substance in hair dye products	60687-93-6	
1280	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, and its salts, when used as a substance in hair dye products	6373-74-6/ 15347-52-1	228-921-5/ 239-377-3
1281	4-[(4-Nitrophenyl)azo]aniline (Disperse Orange 3) and its salts, when used as a substance in hair dye products	730-40-5/ 70170-61-5	211-984-8
1282	4-Nitro-m-phenylenediamine and its salts, when used as a substance in hair dye products	5131-58-8	225-876-3
1283	1-Amino-4-(methylamino)-9,10-anthracenedione (Disperse Violet 4) and its salts, when used as a substance in hair dye products	1220-94-6	214-944-8
1284	N-Methyl-3-nitro-p-phenylenediamine and its salts,	2973-21-9	221-014-5

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Reference number	Substance identification		
	Chemical name/INN	**CAS number**	**EC number**
a	**b**	**c**	**d**
	when used as a substance in hair dye products		
1285	N1-(2-Hydroxyethyl)-4-nitro-o-phenylenediamine (HC Yellow No. 5) and its salts, when used as a substance in hair dye products	56932-44-6	260-450-0
1286	N1-(Tris(hydroxymethyl))methyl-4-nitro-1,2-phenylenediamine (HC Yellow No. 3) and its salts, when used as a substance in hair dye products	56932-45-7	260-451-6
1287	2-Nitro-N-hydroxyethyl-p-anisidine and its salts, when used as a substance in hair dye products	57524-53-5	
1288	N,N'-Dimethyl-N-Hydroxyethyl-3-nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products	10228-03-2	233-549-1
1289	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol and its salts, when used as a substance in hair dye products	93633-79-5	403-440-5
1290	4-Ethylamino-3-nitrobenzoic acid (N-Ethyl-3-Nitro PABA) and its salts, when used as a substance in hair dye products	2788-74-1	412-090-2
1291	(8-[(4-Amino-2-nitrophenyl)azo]-7-hydroxy-2-naphthyl) trimethylammonium and its salts, except Basic Red 118 (CAS 71134-97-9) as impurity in Basic Brown 17, when used as a substance in hair dye products	71134-97-9	275-216-3
1292	5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products	12221-52-2	
1293	m-Phenylenediamine, 4-(phenylazo)-, and its salts, when used as a substance in hair dye products	495-54-5	207-803-7
1294	1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts, when used as a substance in hair dye products	4438-16-8	224-654-3
1295	2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-((2-methylphenyl)azo)-, and its salts, when used as a substance in hair dye products	6441-93-6	229-231-7
1296	4,4'-[(4-Methyl-1,3-phenylene)bis(azo)]bis[6-methyl-1, 3-benzenediamine] (Basic Brown 4) and its salts, when used as a substance in hair dye products	4482-25-1	224-764-1
1297	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]- N,N,N-trimethyl-, and its salts, when used as a substance in hair dye products	83803-99-0	280-920-9
1298	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-1-naphthalenyl]azo]- N,N,N-trimethyl-, and its salts, when used as a substance in hair dye products	83803-98-9	280-919-3
1299	Ethanaminium, N-[4-[(4-(diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien- 1-ylidene]-N-ethyl- and its salts, when used as a substance in hair dye products	633-03-4	211-190-1
1300	9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)-, and its derivatives and salts, when used as a substance in hair dye products	2475-46-9/ 86722-66-9	219-604-2/ 289-276-3

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1301	1,4-Diamino-2-methoxy-9,10-anthracenedione (Disperse Red 11) and its salts, when used as a substance in hair dye products	2872-48-2	220-703-8
1302	1,4-Dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone (Disperse Blue 7) and its salts, when used as a substance in hair dye products	3179-90-6	221-666-0
1303	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts, when used as a substance in hair dye products	22366-99-0	244-938-0
1304	N-[6-[(2-Chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide (HC Yellow No. 8) and its salts, when used as a substance in hair dye products	66612-11-1	266-424-5
1305	[6-[[3-Chloro-4-(methylamino)phenyl]imino]-4-methyl-3- oxocyclohexa-1,4-dien-1-yl]urea (HC Red No. 9) and its salts, when used as a substance in hair dye products	56330-88-2	260-116-4
1306	Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, and its salts, when used as a substance in hair dye products	61-73-4	200-515-2
1307	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts, when used as a substance in hair dye products	94082-85-6	
1308	5-Amino-2,6-Dimethoxy-3-Hydroxypyridine and its salts, when used as a substance in hair dye products	104333-03-1	
1309	4,4'-Diaminodiphenylamine and its salts, when used as a substance in hair dye products	537-65-5	208-673-4
1310	4-Diethylamino-o-toluidine and its salts, when used as a substance in hair dye products	148-71-0/ 24828-38-4/ 2051-79-8	205-722-1/ 246-484-9/ 218-130-3
1311	N,N-Diethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	93-05-0/ 6065-27-6/ 6283-63-2	202-214-1/ 227-995-6/ 228-500-6
1312	N,N-Dimethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	99-98-9/ 6219-73-4	202-807-5/ 228-292-7
1313	Toluene-3,4-Diamine and its salts, when used as a substance in hair dye products	496-72-0	207-826-2
1314	2,4-Diamino-5-methylphenoxyethanol and its salts, when used as a substance in hair dye products	141614-05-3/ 113715-27-8	
1315	6-Amino-o-cresol and its salts, when used as a substance in hair dye products	17672-22-9	
1316	Hydroxyethylaminomethyl-p-aminophenol and its salts, when used as a substance in hair dye products	110952-46-0/ 135043-63-9	
1317	2-Amino-3-nitrophenol and its salts, when used as a substance in hair dye products	603-85-0	210-060-1
1318	2-Chloro-5-nitro-N-hydroxyethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	50610-28-1	256-652-3
1319	2-Nitro-p-phenylenediamine and its salts, when used	5307-14-2/	226-164-5/

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
	as a substance in hair dye products	18266-52-9	242-144-9
1320	Hydroxyethyl-2,6-dinitro-p-anisidine and its salts, when used as a substance in hair dye products	122252-11-3	
1321	6-Nitro-2,5-pyridinediamine and its salts, when used as a substance in hair dye products	69825-83-8	
1322	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, and its salts, when used as a substance in hair dye products	477-73-6	207-518-8
1323	3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid and its salts, when used as a substance in hair dye products	16279-54-2/ 5610-64-0	240-379-1/ 227-029-3
1324	3-[(2-nitro-4-(trifluoromethyl)phenyl)amino]propane-1,2-diol (HC Yellow No. 6) and its salts, when used as a substance in hair dye products	104333-00-8	
1325	2-[(4-chloro-2-nitrophenyl) amino] ethanol (HC Yellow No. 12) and its salts, when used as a substance in hair dye products	59320-13-7	
1326	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products	173994-75-7/ 102767-27-1	
1327	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products	114087-41-1/ 114087-42-2	
1328	Ethanaminium, N-[4-[[4-(diethylamino) phenyl][4-(ethylamino)-1-naphthalenyl] methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, and its salts, when used as a substance in hair dye products	2390-60-5	219-232-0

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ANNEX 6: LIST OF SUBSTANCES WHICH COSMETIC PRODUCTS MUST NOT CONTAIN EXCEPT SUBJECT TO THE RESTRICTIONS LAID DOWN

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
1a	Boric acid, borates and tetraborates with the exception of substance No 1184 in Annex II	Boric acid	10043-35-3/11113-50-1	233-139-2/234-343-4	(a) Talc	(a) 5 % (as boric acid)	(a) Not to be used in products for children under 3 years of age Not to be used on peeling or irritated skin if the concentration of free soluble	(a) Not to be used for children under 3 years of age Not to be used on peeling or irritated skin

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							borates exceeds 1,5 % (as boric acid)	
					(b) Oral products	(b) 0,1 % (as boric acid)	(b) Not to be used in products for children under 3 years of age	(b) Not to be swallowed Not to be used for children under 3 years of age
					(c) Other products (excluding bath products and hair waving products)	(c) 3 % (as boric acid)	(c) Not to be used in products for children under 3 years of age Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds	(c) Not to be used for children under 3 years of age Not to be used on peeling or irritated skin

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							1,5 % (as boric acid)	
1b	Tetraborates, see also 1a)				(a) Bath products	(a) 18 % (as boric acid)	(a) Not to be used in products for children under 3 years of age	(a) Not to be used for children under 3 years of age
					(b) Hair products	(b) 8 % (as boric acid)		(b) Rinse well
2a	Thioglycolic acid and its salts	Thioglycolic acid	68-11-1	200-677-4	(a) Hair products	8 %	General use ready for use pH 7 to 9,5	Conditions of use: (a) (b) (c) Avoid contact with eyes In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice (a) (c)
						11 %	Professional use ready for use pH 7 to 9,5	
					(b) Depilatories	5 %	ready for use pH 7 to 12,7	
					(c) Hair rinse-	2 % The above	ready for use pH 7 to 9,5	

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					off pro duct s	mentio ned percen tages are calcula ted as thiogly colic acid		Wear suitable gloves Warnings: (a) (b) (c) Contains thioglycol ate Follow the instructio ns Keep out of reach of children (a) For profession al use only
2b	Thioglycolic acid esters				Hair wavi ng or straig hteni ng produ cts	(a) 8 %	General use ready for use pH 6 to 9,5	Condition s of use: (a) (b) May cause sensitizati on in the event of skin contact Avoid contact with eyes In the event of contact with eyes, rinse immediate ly with

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								plenty of water and seek medical advice Wear suitable gloves Warnings: Contains thioglycolate Follow the instructions Keep out of reach of children
						b) The above mentioned percentages are calculated as thioglycolic acid	Professional use ready for use pH 6 to 9,5	(b) For professional use only
3	Oxalic acid, its esters and alkaline salts	Oxalic acid	144-62-7	205-634-3	Hair products	5 %	Professional use	For professional use only

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4	Ammonia	Ammonia	7664-41-7/1336-21-6	231-635-3/215-647-6		6 % (as NH_3)		Above 2 %: Contains ammonia
5	Tosylchloramide sodium (INN)	Chloramine-T	127-65-1	204-854-7		0,2 %		
6	Chlorates of alkali metals	Sodium chlorate	7775-09-9	231-887-4	(Toothpaste) (Other products)	(a) 5 % (b) 3 %		
		Potassium chlorate	3811-04-9	223-289-7				
7	Dichloromethane	Dichloromethane	75-09-2	200-838-9		35 % (when mixed with 1,1,1-trichloro-ethane, total concentration must not exceed	0,2 % as maximum impurity content	

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						35 %)		
8	p-Phenylenediamine, its N-substituted derivatives and its salts; N-substituted derivatives of o-Phenylenediamine (1), with the exception of those derivatives listed elsewhere in this Annex and under reference numbers 1309, 1311, and 1312 in Annex II	p-Phenylenediamine	106-50-3	203-404-7	Oxidising colouring agents for hair dyeing	6 % (as free base)	(a) General use Not to be used on eyebrows	(a) Can cause an allergic reaction Contains phenylenediamines Do not use to dye eyelashes or eyebrows
							(b) Professional use	(b) For professional use only Contains phenylenediamines Can cause an allergic reaction Wear suitable gloves
9	Methylphenylenediamines, their N-substituted derivatives (1) and their salts with the exception of	Toluene-2,5-diamine	95-70-5	202-442-1	Oxidising colouring agents for	10 % (as free base)	(a) General use Not to be used on	(a) Can cause an allergic reaction Contain

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	substances under reference numbers 364, 413, 1144, 1310 and 1313 in Annex II				hair dyeing		eyebrows	s phenylene-diamines Do not use to dye eyelashes or eyebrows
							(b) Professional use	(b) For professional use only Contains phenylene-diamines Can cause an allergic reaction Wear suitable gloves
10	Diaminophenols [1]				Oxidising colouring agents for hair dyeing	10 % (as free base)	(a) General use Not to be used on eyebrows	(a) Can cause an allergic reaction Do not use to dye eyelashes or

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								eyebrows
							(b) Professional use	(b) For professional use only Can cause an allergic reaction Wear suitable gloves
11	Dichlorophen	Dichlorophen	97-23-4	202-567-1		0,5 %		Contains Dichlorophen
12	Hydrogen peroxide, and other compounds or mixtures that release hydrogen peroxide, including carbamide peroxide and zinc peroxide	Hydrogen peroxide	7722-84-1	231-765-0	(a) Hair-products	12 % H_2O_2 (40 volumes), present or released		(a) Wear suitable gloves (a) (b) (c): Contains hydrogen peroxide Avoid contact with eyes Rinse eyes immediately if product comes into contact with them
					(b) Skin-products	4 % H_2O_2, present or released		
					(c) Nail hardening products	2 % of H_2O_2, present or release		

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					ucts	d		
					(Oral d pro) duct s	0,1 % of H_2O_2, present or release d		
13	Formaldehyde [2]	Formaldehyde	50-00-0	200-001-8	Nail harde ning produ cts	5 % (as formal dehyde)	For purposes other than inhibitin g the develop ment of micro-organism s in the product. This purpose has to be apparent from the presentat ion of the product	Protect cuticles with grease or oil Contains formaldeh yde [3]
14	Hydroquinone [4]	Hydroqui none	123-31-9	204-617-8	(Oxi a disi) ng colo urin g age nt for hair dyei ng	0,3 %	General use Not to be used on eyebrows	Do not use to dye eyelashes or eyebrows Rinse eyes immediate ly if the product comes into

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								contact with them Contains Hydroquinone
							Professional use	For professional use only Contains hydroquinone Rinse eyes immediately if product comes into contact with them
					(b) Artificial nail systems	0,02 % (after mixing for use)	Professional use	(b) For professional use only Avoid skin contact Read directions for use carefully
15a	Potassium or sodium hydroxide	Potassium hydroxide/sodium	1310-58-3/1	215-181-	(a) Nail cuticle solv	(a) 5 % [5]		(a) Contains alkali Avoid contact

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		hydroxide	310-73-2	3/215-185-5	ent			with eyes Can cause blindness Keep out of reach of children
					(Hair bstraight)ghtener	2 % (5)	General use	Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children
						4,5 % (5)	Professional use	For professional use only Avoid contact with eyes Can cause blindness
					(pH cadjuster for depilatories		(c)pH < 12,7	(c Keep out of reach of children Avoid

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								contact with eyes
					(Other) uses as pH adjuster		(d)pH < 11	
15b	Lithium hydroxide	Lithium hydroxide	1310-65-2	215-183-4	(Hair straighteners)	2 % (6)	General use	(a) Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children
						4,5 % (6)	Professional use	Avoid contact with eyes Can cause blindness
					(pH badjuster for depilatories)		pH < 12,7	(b) Contains alkali Keep out of reach of childre

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								n Avoid contact with eyes
					(c) Other uses as pH adjuster (for rinse-off products only)		pH < 11	
15c	Calcium hydroxide	Calcium hydroxide	1305-62-0	215-137-3	(a) Hair straighteners containing two components: calcium hydroxide and a guanidin	(a) 7 % (as calcium hydroxide)		(a) Contains alkali Avoid contact with eyes Keep out of reach of children Can cause blindness

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					e salt			
					(pH badjuster for depilatories)		(b)pH < 12,7	(b) Contains alkali Keep out of reach of children Avoid contact with eyes
					(Other) uses (e.g. pH adjuster, processing aid)		(c)pH < 11	
16	1-Naphthol and its salts	1-Naphtol	90-15-3	201-969-4	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %	Can cause an allergic reaction

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17	Sodium nitrite	Sodium nitrite	7632-00-0	231-555-9	Rust inhibitor	0,2 %	Not to be used with secondary and/or tertiary amines or other substances forming nitrosamines	
18	Nitromethane	Nitromethane	75-52-5	200-876-6	Rust inhibitor	0,3 %		
19	Moved or deleted							
20	Moved or deleted							
21	Cinchonan-9-ol, 6'-methoxy-, (8.alpha., 9R)- and its salts	Quinine	130-95-0	205-003-2	(a) Hair rinse-off products	(a) 0,5 % (as quinine base)		
					(b) Hair leave-on products	(b) 0,2 % (as quinine base)		
22	Resorcinol (4)	Resorcinol	108-46-3	203-585-2	(a) Oxidising colo	5 %	General use Not to be used on	Contains resorcinol Rinse hair well after

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					urin g age nt for hair dyei ng		eyebrows	applicatio n Do not use to dye eyelashes or eyebrows Rinse eyes immediate ly if product comes into contact with them
							Professio nal use	For profession al use only Contains resorcinol Rinse eyes immediate ly if product comes into contact with them
					(Hair blotio) ns and sha mpo os	0,5 %		Contains resorcinol
23	(a)Alkali				(Depi	(2 %	pH ≤ 12,	(a Keep

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	sulphides				alator)ies	a (as) sulphur)	7	) out of (b reach) of children Avoid contact with eyes
	(b)Alkaline earth sulphides				(Depbilato)ries	(6 %b (as) sulphur)		
24	Water-soluble zinc salts with the exception of zinc 4-hydroxy-benzenesulphonate (entry 25) and zinc pyrithione (entry 101 and Annex V, entry 8)	Zinc acetate, zinc chloride, zinc gluconate, zinc glutamate				1 % (as zinc)		
25	Zinc 4-hydroxybenzene sulphonate	Zinc phenolsulfonate	127-82-2	204-867-8	Deodorants, antiperspirants and astringent lotions	6 % (as % anhydrous substance)		Avoid contact with eyes
26	Ammonium monofluorophosphate	Ammonium monofluorophosphate	20859-38-5/66115-19-3		Oral products	0,15 % (as F). When mixed with other fluorine compounds		Contains ammonium monofluorophosphate For any toothpaste containing

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						permitted under this Annex, total F concentration must not exceed 0,15 %		0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'

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27	Disodium fluorophosphate	Sodium monofluorophosphate	10163-15-2/7631-97-2	233-433-0/231-552-2	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains sodium monofluorophosphate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of

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								fluoride from other sources consult a dentist or doctor’
28	Dipotassium fluorophosphate	Potassium monofluorophosphate	14104-28-0	237-957-0	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains potassium monofluorophosphate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. ‘for adult use only’) the following labelling is obligatory: ‘Children of 6 years and younger: Use a pea sized amount for supervise

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								d brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor’
29	Calcium fluorophosphate	Calcium monofluorophosphate	7789-74-4	232-187-1	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains calcium monofluorophosphate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. ‘for adult use only’) the following labelling is obligatory: ‘Children

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								of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
30	Calcium fluoride	Calcium fluoride	7789-75-5	232-188-7	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must		Contains calcium fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the

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						not exceed 0,15 %		following labelling is obligatory: ‘Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor’
31	Sodium fluoride	Sodium fluoride	7681-49-4	231-667-8	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under		Contains sodium fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-

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						this Annex, total F concentration must not exceed 0,15 %		indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
32	Potassium fluoride	Potassium fluoride	7789-23-3	232-151-5	Oral products	0,15 % (as F). When mixed with other fluorin		Contains potassium fluoride For any toothpaste containing 0,1

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						e compounds permitted under this Annex, total F concentration must not exceed 0,15 %		to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
33	Ammonium	Ammoni	121	235	Oral	0,15 %		Contains

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	fluoride	um fluoride	25-01-8	-185-9	products	(as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		ammonium fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other

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								sources consult a dentist or doctor'
34	Aluminium fluoride	Aluminium fluoride	7784-18-1	232-051-1	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains aluminium-fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize

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								swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
35	Tin difluoride	Stannous fluoride	7783-47-3	231-999-3	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains stannous fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount

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								for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
36	Hexadecyl ammonium fluoride	Cetylamine hydrofluoride	3151-59-5	221-588-7	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains Cetylamine hydrofluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory

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								: ‘Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor’
37	3-(*N*-Hexadecyl-*N*-2-hydroxy-ethylammonio) propylbis (2-hydroxyethyl) ammonium difluoride		—	—	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concen		Contains 3-(*N*-Hexadecyl-*N*-2-hydroxyethylammonio) propylbis (2-hydroxyethyl) ammonium difluoride For any toothpaste containing

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						tration must not exceed 0,15 %		0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'

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38	*N,N′,N*'-Tris(polyoxyethylene)-*N*-hexadecylpropylenediamine dihydrofluoride		—	—	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains *N,N′,N*'-Tris(polyoxyethylene)-*N*-hexadecylpropylene diamine dihydrofluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to

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								minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor’
39	9-Octadecenamine, hydrofluoride	Octadecenyl-ammonium fluoride	2782-81-2	—	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains octadecenyl-ammonium fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. ‘for adult use only’) the following labelling is obligatory: ‘Children of 6 years and younger:

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								Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
40	Disodium hexafluorosilicate	Sodium fluorosilicate	16893-85-9	240-934-8	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains sodium fluorosilicate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling

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								is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
41	Dipotassium hexafluorosilicate	Potassium fluorosilicate	16871-90-2	240-896-2	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex,		Contains potassium fluorosilicate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated

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						total F concentration must not exceed 0,15 %		for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
42	Ammonium hexafluorosilicate	Ammonium fluorosilicate	16919-19-0	240-968-3	Oral products	0,15 % (as F). When mixed with other fluorine		Contains ammonium fluorosilicate For any toothpaste containing

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						compounds permitted under this Annex, total F concentration must not exceed 0,15 %		0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'

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43	Magnesium hexafluorosilicate	Magnesium fluorosilicate	16949-65-8	241-022-2	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains magnesium fluorosilicate For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory : 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of

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								fluoride from other sources consult a dentist or doctor’
44	1,3-Bis (hydroxymethyl) imidazolidine-2-thione	Dimethylol ethylene thiourea	15534-95-9	239-579-1	(Hair a-) pro ducts	(a)2 %	(aNot to) be used in aerosol dispensers (sprays)	Contains Dimethylol ethylene thiourea
					(Nail b-) pro ducts	(b)2 %	(b)pH < 4	
45	Benzyl alcohol (7)	Benzyl alcohol	100-51-6	202-859-9	Solvents, perfumes and flavourings		For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	

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46	6-Methylcoumarin	6-Methylcoumarin	92-48-8	202-158-8	Oral products	0,003 %		
47	3-Pyridinemethanol, hydrofluoride	Nicomethanol hydrofluoride	62756-44-9	—	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains nicomethanol hydrofluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to

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								minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
48	Silver nitrate	Silver nitrate	7761-88-8	231-853-9	Only for colouring eyelashes and eyebrows	4 %		Contains silver nitrate Rinse eyes immediately if product comes into contact with them
49	Selenium sulfide	Selenium disulphide	7488-56-4	231-303-8	Antidandruff shampoos	1 %		Contains selenium disulphide Avoid contact with eyes or damaged skin
50	Aluminium zirconium chloride hydroxide complexes $Al_xZr(OH)_yCl_z$ an				Anti-perspirants	20 % (as anhydrous aluminium	1. The ratio of the number of alumini	Do not apply to irritated or damaged skin

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	d the aluminium zirconium chloride hydroxide glycine complexes					zirconium chloride hydroxide) 5,4 % (as zirconium)	um atoms to that of zirconium atoms must be between 2 and 10 2. The ratio of the number of (Al + Zr) atoms to that of chlorine atoms must be between 0,9 and 2,1 3. Not to be used in aerosol dispensers (sprays)	
51	Quinolin-8-ol and bis (8-hydroxy-quinolium) sulphate	Oxyquinoline and oxyquinoline sulfate	148-24-3/134-31-6	205-711-1/205-137	Stabilizer for hydrogen peroxide in rinse-	0,3 % (as base)		

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				-1	off hair-products			
					Stabilizer for hydrogen peroxide in leave-on hair products	0,03 % (as base)		
52	Methanol	Methyl alcohol	67-56-1	200-659-6	Denaturant for ethanol and isopropyl alcohol	5 % (as a % ethanol and isopropyl alcohol)		
53	(1-Hydroxyethylidene-diphosphonic acid) and its salts	Etidronic acid	2809-21-4	220-552-8	(Hair-) product	1,5 % (as etidronic acid)		
					(bSoa) p	0,2 % (as etidronic acid)		
54	1-	Phenoxyi	770	212	Use	2 %	For	

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	Phenoxypropan-2-ol (8)	sopropanol	-35-4	-222-7	only in rinse-off products Not to be used in oral products		purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
55	Moved or deleted							
56	Magnesium fluoride	Magnesium fluoride	7783-40-6	231-995-1	Oral products	0,15 % (as F). When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed		Contains magnesium fluoride For any toothpaste containing 0,1 to 0,15 % fluoride unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling

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						0,15 %		is obligatory: 'Children of 6 years and younger: Use a pea sized amount for supervised brushing to minimize swallowing. In case of intake of fluoride from other sources consult a dentist or doctor'
57	Strontium chloride hexahydrate	Strontium chloride	10476-85-4	233-971-6	(Oral a pro) ducts	3,5 % (as strontium). When mixed with other permitted strontium compounds the		Contains strontium chloride Frequent use by children is not advisable

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						total strontium content must not exceed 3,5 %		
					(Shampoo) and face products	2,1 % (as strontium). When mixed with other permitted strontium compounds the total strontium content must not exceed 2,1 %		
58	Strontium acetate hemihydrate	Strontium acetate	543-94-2	208-854-8	Oral products	3,5 % (as strontium). When mixed with other permitted		Contains strontium acetate Frequent use by children is not advisable

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						stronti um compo unds the total stronti um conten t must not exceed 3,5 %		
59	Talc: Hydrated magnesium silicate	Talc	148 07- 96- 6	238 - 877 -9	(Pow a dery) pro duct s inte nde d to be use d for chil dren und er 3 year s of age (Oth b er) pro duct s			(a Keep) powder away from children 's nose and mouth
60	Fatty acid dialkylamides and dialkanolamides					Maxim um second ary	—Not to be used with	

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						amine content: 0,5 %	nitrosating systems —Maximum secondary amine content: 5 % (applies to raw materials) —Maximum nitrosamine content: 50 µg/kg —Keep in nitrite-free containers	
61	Monoalkylamines, monoalkanolamines and their salts					Maximum secondary amine content: 0,5 %	—Not to be used with nitrosating systems-Minimum purity: 99 %	

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							—Maximum secondary amine content: 0,5 % (applies to raw materials) —Maximum nitrosamine content: 50 µg/kg —Keep in nitrite-free containers	
62	Trialkylamines, trialkanolamines and their salts				(a) Leave-on products (b) Rinse-off products	(a) 2,5 %	(a) (b) —Not to be used with nitrosating systems —Minimum purity: 99 % —Maximum	

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							secondary amine content : 0,5 % (applies to raw materials) —Maximum nitrosamine content : 50 µg/kg —Keep in nitrite-free containers	
63	Strontium hydroxide	Strontium hydroxide	18480-07-4	242-367-1	pH adjuster for depilatories	3,5 % (as strontium)	pH ≤ 12,7	Keep out of reach of children Avoid contact with eyes
64	Strontium peroxide	Strontium peroxide	1314-18-7	215-224-6	Rinse-off hair products	4,5 % (as strontium)	All products must meet the hydrogen peroxide release requirements	Avoid contact with eyes Rinse eyes immediately if product comes

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							Professional use	into contact with them For professional use only Wear suitable gloves
65	Benzalkonium chloride, bromide and saccharinate (9)	Benzalkonium bromide	91080-29-4	293-522-5	Rinse-off hair (head) products	3 % (as benzalkonium chloride)	In the final products the concentrations of benzalkonium chloride, bromide and saccharinate with an alkyl chain of C_{14}, or less must not exceed 0,1 % (as benzalkonium chloride)	Avoid contact with eyes
							For purposes other than inhibiting the develop	
		Benzalkonium chloride	63449-41-2/6839	264-151-6/2				

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			1-01-5/68424-85-1/8540 9-22-9	69-919-4/270-325-2/287-089-1			ment of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
		Benzalkonium saccharinate	68989-01-5	273-545-7				
66	Polyacrylamides				(a) Body-leave-on products		(a) Maximum residual acrylamide content 0,1 mg/kg	
					(b) Other products		(b) Maximum residual acrylamide content 0,5 mg/kg	
67	2-Benzylideneheptanal	Amyl cinnamal	122-40-7	204-541-5			The presence of the substance must be indicated	

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							in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
68	Benzyl alcohol	Benzyl alcohol	100-51-6	202-859-9			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration	

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							exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
69	Cinnamyl alcohol	Cinnamyl alcohol	104-54-1	203-212-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-	

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							off products	
70	3,7-Dimethyl-2,6-octadienal	Citral	5392-40-5	226-394-6			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
71	Phenol, 2-methoxy-4-(2-propenyl)	Eugenol	97-53-0	202-589-1			The presence of the substance must be indicated in the list	

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							of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
72	7-Hydroxycitronellal	Hydroxycitronellal	107-75-5	203-518-7			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:	

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							—0,001 % in leave-on products —0,01 % in rinse-off products	
73	Phenol, 2-methoxy-4-(1-propenyl)-	Isoeugenol	97-54-1	202-590-7			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off produc	

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							ts	
74	2-Pentyl-3-phenylprop-2-en-1-ol	Amylcinnamyl alcohol	101-85-9	202-982-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
75	Benzyl salicylate	Benzyl salicylate	118-58-1	204-262-9			The presence of the substance must be indicated in the list of ingredien	

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							ts referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
76	2-Propenal, 3-phenyl-	Cinnamal	104-55-2	203-213-9			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in	

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							leave-on products —0,01 % in rinse-off products	
77	2H-1-Benzopyran-2-one	Coumarin	91-64-5	202-086-7			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	

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78	2,6-Octadien-1-ol, 3,7-dimethyl-, (2E)-	Geraniol	106-24-1	203-377-1			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
79	3 and 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	Hydroxyisohexyl 3-cyclohexene carboxaldehyde	51414-25-6/31906-04-4	257-187-9/250-863-4			The presence of the substance must be indicated in the list of ingredients referred	

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							to in Article 1 9(1)(g) when its concentr ation exceeds: —0,001 % in leave-on produc ts —0,01 % in rinse-off produc ts	
80	4-Methoxybenzyl alcohol	Anise alcohol	105 -13-5	203 -273 -6			The presence of the substanc e must be indicated in the list of ingredien ts referred to in Article 1 9(1)(g) when its concentr ation exceeds: —0,001 % in leave-on	

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							products —0,01 % in rinse-off products	
81	2-Propenoic acid, 3-phenyl-, phenylmethyl ester	Benzyl cinnamate	103-41-3	203-109-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
82	2,6,10-Dodecatrien-1-	Farnesol	4602-	225-			The presence	

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	ol, 3,7,11-trimethyl-		84-0	004-1			of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
83	2-(4-tert-Butylbenzyl)propionaldehyde	Butylphenyl methylpropional	80-54-6	201-289-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 1	

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							9(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
84	1,6-Octadien-3-ol, 3,7-dimethyl-	Linalool	78-70-6	201-134-4			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products	

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							—0,01 % in rinse-off products	
85	Benzyl benzoate	Benzyl benzoate	120-51-4	204-402-9			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
86	Citronellol/(±)-3,7-dimethyloct-6-en-1-ol	Citronellol	106-22-9/2648	203-375-			The presence of the substanc	

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			9-01-0	0/247-737-6			e must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
87	2-Benzylideneoctanal	Hexyl cinnamal	101-86-0	202-983-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its	

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							concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
88	(4R)-1-Methyl-4-(1-methylethenyl)cyclohexene	Limonene	5989-27-5	227-813-5			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 %	

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							in rinse-off products	
89	Methyl heptin carbonate	Methyl 2-octynoate	111-12-6	203-836-6			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
90	3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	alpha-Isomethyl ionone	127-51-5	204-846-3			The presence of the substance must be	

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							indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
91	Oak moss extract	Evernia prunastri extract	90028-68-5	289-861-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentr	

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							ation exceeds: —0,001 % in leave-on products —0,01 % in rinse-off products	
92	Treemoss extract	Evernia furfuracea extract	90028-67-4	289-860-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: —0,001 % in leave-on products —0,01 % in	

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							rinse-off products	
93	2,4-Pyrimidinediamine, 3-oxide	Diaminopyrimidine oxide	74638-76-9	—	Hair products	1,5 %		
94	Dibenzoyl peroxide	Benzoyl peroxide	94-36-0	202-327-6	Artificial nail systems	0,7 % (after mixing for use)	Professional use	For professional use only Avoid skin contact Read directions for use carefully
95	Hydroquinone methylether/Mequinol	p-Hydroxyanisol	150-76-5	205-769-8	Artificial nail systems	0,02 % (after mixing for use)	Professional use	For professional use only Avoid skin contact Read directions for use carefully
96	5-tert-Butyl-2,4,6-trinitro-m-xylene	Musk xylene	81-15-2	201-329-4	All cosmetic products, with the excep	(1,0 a % in) fine fragrance (b0,4) % in		

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					tion of oral products	eau de toilette (c) 0,03 % in other products		
97	4'-tert-Butyl-2',6'-dimethyl-3',5'-dinitroacetophenone	Musk ketone	81-14-1	201-328-9	All cosmetic products, with the exception of oral products	(a) 1,4 % in fine fragrance (b) 0,56 % in eau de toilette (c) 0,042 % in other products		
98	Benzoic acid, 2-hydroxy- [10]	Salicylic acid	69-72-7	200-712-3	(a) Rinse-off hair products (b) Other products	(a) 3,0 % (b) 2,0 %	Not to be used in preparations for children under 3 years of age, except for shampoos For purposes	Not to be used for children under 3 years of age [11]

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							other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
99	Inorganic sulfites and bisulfites (12)				(a) Oxidative hair dye products	(a) 0,67 % (as free SO_2)	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
					(b) Hair bstraightening products	(b) 6,7 % (as free SO_2)		
					(c) Self-tanning products for the face	(c) 0,45 % (as free SO_2)		

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					(Other) self-tanning products	(d0,40) % (as free SO_2)		
100	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea (13)	Triclocarban	101-20-2	202-924-1	Rinse-off products	1,5 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene ≤ 1 ppm 3,3',4,4'-Tetrachloroazoxybenzene ≤ 1 ppm For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	

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101	Pyrithione zinc [(14)]	Zinc pyrithione	13463-41-7	236-671-3	Leave-on hair products	0,1 %	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
102	1,2-Dimethoxy-4-(2-propenyl)-benzene	Methyl eugenol	93-15-2	202-223-0	Fine fragrance	0,01 %		
					Eau de toilette	0,004 %		
					Fragrance cream	0,002 %		
					Other leave-on products and oral	0,0002 %		

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					products			
					Rinse-off products	0,001 %		
215	4-Amino-3-nitrophenol and its salts	4-Amino-3-nitrophenol	610-81-1	210-236-8	(a) Oxidising colouring agents for hair dyeing	(a) 3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	(a) Can cause allergic reaction
					(b) Non-oxidising colouring agents for hair dyeing	(b) 3,0 %		
216	2,7-Naphthalenediol and its salts	Naphthalene-2,7-diol	582-17-2	209-478-7	Oxidising colouring agents for hair	1,0 %	In combination with hydrogen peroxide the maximu	

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					dyeing		m use concentration upon application is 0,5 % Not to be used after 31.12.2009	
217	m-Aminophenol and its salts	3-Aminophenol	591-27-5	209-711-2	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	Can cause allergic reaction
218	2,6-Dihydroxy-3,4-dimethylpyridine and its salts	2,6-Dihydroxy-3,4-dimethylpyridine	84540-47-6	283-141-2	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration	

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							upon application is 1,0 % Not to be used after 31.12.2009	
219	1-Hydroxy-3-nitro-4-(3-hydroxypropylamino)benzene and its salts	4-Hydroxypropylamino-3-nitrophenol	92952-81-3	406-305-9	(a) Oxidising colouring agents for hair dyeing	(a) 5,2 %	In combination with hydrogen peroxide the maximum use concentration upon application is 2,6 % Not to be used after 31.12.2009	(a) Can (b) cause allergic reaction
					(b) Non-oxidising colouring agents for hair dyeing	(b) 2,6 %		
220	1-[(2'-Methoxyethyl)amino]-2-nitro-4-[di-(2'-	HC Blue No 11	23920-15-2	459-980-7	(a) Oxidising colo	(a) 3,0 %	In combination with hydrogen	(a) Can (b) cause allergic reactio

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	hydroxyethyl)amino]benzene and its salts				urin g age nts for hair dyei ng		peroxide the maximu m use concentr ation upon applicati on is 1,5 % Not to be used after 31.12.20 09	n
					(Non b-) oxid isin g colo urin g age nts for hair dyei ng	(b 2,0) %		
221	1-Methyl-3-nitro-4-(.beta.-hydroxyethyl)aminobenzene and its salts	Hydroxye thyl-2-nitro-p-toluidine	100 418 -33-5	408 - 090 -7	(Oxi adisi) ng colo urin g age nts for hair dyei ng	(a 2,0) %	In combinat ion with hydrogen peroxide the maximu m use concentr ation upon applicati on is 1,0 % Not to be used after 31.12.20 09	(a)Can (b cause) allergic reactio n
					(Non b-) oxid isin g colo	(b 1,0) %		

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					urin g age nts for hair dyei ng			
222	1-Hydroxy-2-.beta.-hydroxyethylamino-4,6-dinitrobenzene and its salts	2-Hydroxyethylpicramic acid	99610-72-7	412-520-9	(a) Oxidising colouring agents for hair dyeing	(a) 3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	(a) Can cause allergic reaction (b)
					(b) Non-oxidising colouring agents for hair dyeing	(b) 2,0 %		
223	4-Methylaminophenol and its salts	p-Methylaminophenol	150-75-4	205-768-2	Oxidising colouring agent for	3,0 %	In combination with hydrogen peroxide the	Can cause allergic reaction

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					hair dyeing		maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	
224	1-(3-Hydroxypropylamino)-2-nitro-4-bis(2-hydroxyethylamino)benzene and its salts	HC Violet No 2	104226-19-9	410-910-3	Non-oxidising colouring agent for hair dyeing	2,0 %	Not to be used after 31.12.2009	
225	1-(.beta.-Hydroxyethyl)amino-2-nitro-4-N-ethyl-N-(.beta.-hydroxyethyl)aminobenzene and its salts	HC Blue No 12	104516-93-0	407-020-2	(a) Oxidising colouring agents for hair dyeing	(a) 1,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,75 % Not to be used after 31.12.20	(a) Can cause allergic reaction (b)
					(b) Non-oxidising	(b) 1,5 %		

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					g colo urin g age nts for hair dyei ng		09	
226	4,4'-[1,3-Propanediylbis(oxy)]bis-, benzene-1,3-diamine and its salts	1,3-Bis-(2,4-diaminophenoxy)propane	818 92- 72- 0	279 - 845 -4	Oxidi sing colou ring agent s for hair dyein g	2,0 %	In combinat ion with hydrogen peroxide the maximu m use concentr ation upon applicati on is 1,0 % Not to be used after 31.12.20 09	Can cause allergic reaction
227	3-Amino-2,4-dichlorophenol and its salts	3-Amino-2,4-dichlorophenol	616 93- 43- 4	262 - 909 -0	Oxidi sing colou ring agent s for hair dyein g	2,0 %	In combinat ion with hydrogen peroxide the maximu m use concentr ation upon applicati	Can cause allergic reaction

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							on is 1,0 % Not to be used after 31.12.2009	
228	3-Methyl-1-phenyl-5-pyrazolone and its salts	Phenyl methyl pyrazolone	89-25-8	201-891-0	Oxidising colouring agents for hair dyeing	0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 % Not to be used after 31.12.2009	
229	5-[(2-Hydroxyethyl)amino]-o-cresol and its salts	2-Methyl-5-hydroxyethylaminophenol	55302-96-0	259-583-7	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %	Can cause allergic reaction

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							Not to be used after 31.12.2009	
230	3,4-Dihydro-2H-1,4-benzoxazin-6-ol and its salts	Hydroxybenzomorpholine	26021-57-8	247-415-5	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	Can cause allergic reaction
231	1,5-bis(.beta.-Hydroxyethyl)amino-2-nitro-4-chlorobenzene and its salts	HC Yellow No 10	109023-83-8	416-940-3	Non-oxidising colouring agents for hair dyeing	0,2 %	Not to be used after 31.12.2009	
232	3,5-Diamino-2,6-dimethoxypyridine and its salts	2,6-Dimethoxy-3,5-pyridinediamine	85679-78-3/56216-	-/260-062-1	Oxidising colouring agents for	0,5 %	In combination with hydrogen peroxide the	Can cause allergic reaction

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		HCl	28-5		hair dyeing		maximum use concentration upon application is 0,25 % Not to be used after 31.12.2009	
233	1-(2-Aminoethyl)amino-4-(2-hydroxyethyl)oxy-2-nitrobenzene and its salts	HC Orange No 2	85765-48-6	416-410-1	Non-oxidising colouring agents for hair dyeing	1,0 %	Not to be used after 31.12.2009	
234	Ethanol, 2-[(4-amino-2-methyl-5-nitrophenyl)amino]-and its salts	HC Violet No 1	82576-75-8	417-600-7	(a) Oxidising colouring agents for hair dyeing	(a) 0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 % Not to be used after 31.12.20	
					(b) Non-oxidising	(b) 0,5 %		

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					g colo urin g age nts for hair dyei ng		09	
235	2-[3-(Methylamino)-4-nitrophenoxy]ethanol and its salts	3-Methylamino-4-nitro-phenoxyethanol	598 20-63-2	261-940-7	Non-oxidising colouring agents for hair dyeing	1,0 %	Not to be used after 31.12.2009	
236	2-[(2-Methoxy-4-nitrophenyl)amino]ethanol and its salts	2-Hydroxy-ethylamino-5-nitro-anisole	660 95-81-6	266-138-0	Non-oxidising colouring agents for hair dyeing	1,0 %	Not to be used after 31.12.2009	
237	2,2'-[(4-Amino-3-nitrophenyl)imino]bisethanol hydrochloride and other salts	HC Red No 13	941 58-13-1	303-083-4	(Oxi adisi) ng colo urin g age nts for hair	(a 2,5) %	In combination with hydrogen peroxide the maximum use concentration	

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					dyeing		upon application is 1,25 % Not to be used after 31.12.2009	
					(Non-) oxidising colouring agents for hair dyeing	(b) 2,5 %		
238	Naphthalene-1,5-diol and its salts	1,5-Naphthalenediol	83-56-7	201-487-4	Oxidising colouring agents for hair dyeing	1,0 %	Not to be used after 31.12.2009	
239	Hydroxypropyl bis(N-hydroxyethyl-p-phenylenediamine) and its salts	Hydroxypropyl bis(N-hydroxyethyl-p-phenyldiamine) HCl	128729-30-6	416-320-2	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be	Can cause allergic reaction

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							used after 31.12.2009	
240	o-Aminophenol and its salts	o-Aminophenol	95-55-6	202-431-1	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	
241	5-Amino-o-cresol and its salts	4-Amino-2-hydroxytoluene	2835-95-2	220-618-6	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.20	

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							09	
242	2,4-Diaminophenoxyethanol and its salts	2,4-Diaminophenoxyethanol HCl	66422-95-5	266-357-1	Oxidising colouring agents for hair dyeing	4,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 2,0 % Not to be used after 31.12.2009	
243	1,3-Benzenediol, 2-methyl-, and its salts -	2-Methylresorcinol	608-25-3	210-155-8	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	

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244	4-Amino-m-cresol and its salts	4-Amino-m-cresol	2835-99-6	220-621-2	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	
245	2-[(3-amino-4-methoxyphenyl)amino]ethanol and its salts	2-Amino-4-hydroxyethylamino anisole	83763-47-7	280-733-2	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	
246	Hydroxyethyl-3,4-	Hydroxyethyl-3,4-	81329-	303-	Oxidising	3,0 %	In combinat	

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	methylenedioxyaniline 2-(1,3-benzodioxol-5-ylamino)ethanol hydrochloride and other salts	methylenedioxyaniline HCI	90-0	085-5	colouring agents for hair dyeing		ion with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be used after 31.12.2009	
247	2,2'-[[4-[(2-Hydroxyethyl)amino]-3-nitrophenyl]imino]bisethanol. and its salts	HC Blue No 2	33229-34-4	251-410-3	Non-oxidising colouring agents for hair dyeing	2,8 %	Not to be used after 31.12.2009	
248	4-[(2-Hydroxyethyl)amino]-3-nitrophenol and its salts	3-Nitro-p-hydroxyethylaminophenol	65235-31-6	265-648-0	(Oxidising) colouring agents for hair dyeing	(a 6,0) %	In combination with hydrogen peroxide the maximum use concentration upon applicati	

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					(b) Non-oxidising colouring agents for hair dyeing	(b) 6,0 %	on is 3,0 % Not to be used after 31.12.2009	
249	1-(.beta.-Ureidoethyl)amino-4-nitrobenzene and its salts	4-Nitrophenyl aminoethylurea	27080-42-8	410-700-1	(a) Oxidising colouring agents for hair dyeing	(a) 0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 % Not to be used after 31.12.2009	
					(b) Non-oxidising colouring agents for hair dyeing	(b) 0,5 %		

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250	1-amino-2-nitro-4-(2',3'-dihydroxypropyl)amino-5-chlorobenzene and 1,4-bis-(2',3'-dihydroxypropyl)amino-2-nitro-5-chlorobenzene and its salts	HC Red No 10 and HC Red No 11	95576-89-9 and 95576-92-4	—	(a) Oxidising colouring agents for hair dyeing	(a) 2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	
					(b) Non-oxidising colouring agents for hair dyeing	(b) 1,0 %		
251	Phenol, 2-chloro-6-(ethylamino)-4-nitro- and its salts	2-Chloro-6-ethylamino-4-nitrophenol	131657-78-8	411-440-1	(a) Oxidising colouring agents for hair dyeing	(a) 3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 % Not to be	
					(b) Non	(b) 3,0		

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					b-) oxidising colouring agents for hair dyeing	) %	used after 31.12.2009	
252	2-Amino-6-chloro-4-nitrophenol and its salts	2-Amino-6-chloro-4-nitrophenol	6358-09-4	228-762-1	(a) Oxidising colouring agents for hair dyeing	(a) 2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 % Not to be used after 31.12.2009	
					(b) Non-oxidising colouring agents for hair dyeing	(b) 2,0 %		
253	[4-[[4-Anilino-1-	Basic	258	219	(a) Oxi	(a) 0,5	In	

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	naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (CI 44045) and other salts	Blue 26 (CI 44045)	0-56-5	-943-6	a) disi ng colo urin g age nts for hair dyei ng	) %	combination with hydrogen peroxide the maximum use concentration upon application is 0,25 % Not to be used after 31.12.2009	
					(b-) Non oxid isin g colo urin g age nts for hair dyei ng	(b) 0,5 %		
254	Disodium 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate (CI 17200) and other salts	Acid Red 33 (CI 17200)	3567-66-6	222-656-9	Non-oxidising colouring agents for hair dyeing	2,0 %	Not to be used after 31.12.2009	
255	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthal	Ponceau SX (CI 14700)	4548-53-2	224-909-9	Non-oxidising colouring	2,0 %	Not to be used after 31.12.2009	

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	ene-1-sulphonate (CI 14700) and other salts				agents for hair dyeing			
256	(4-(4-Aminophenyl)(4-iminocyclohexa-2,5-dienylidene)methyl)-2-methylaniline hydrochloride (CI 42510) and other salts	Basic Violet 14 (CI 42510)	632-99-5	211-189-6	(a) Oxidising colouring agents for hair dyeing	(a) 0,3 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,15 % Not to be used after 31.12.2009	
					(b) Non-oxidising colouring agents for hair dyeing	(b) 0,3 %		

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ANNEX 7: LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS

Preamble

Without prejudice to other provisions in this Regulation, a colorant shall include its salts and lakes and when a colorant is expressed as a specific salt, its other salts and lakes shall also be included.

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/ Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
1	Sodium tris(1,2-naphthoquinone 1-oximato-O,O')ferrate(1-)	10006			Green	Rinse-off products			
2	Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)	10020			Green	Not to be used in products applied on muc			

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						ous mem bran es			
3	Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	10316			Yell ow	Not to be used in eye prod ucts			
4	2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	11680			Yell ow	Not to be used in prod ucts appli ed on muc ous mem bran es			
5	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide	11710			Yell ow	Not to be used in prod ucts appli ed on muc ous mem bran es			

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6	2-[(4-Methoxy-2-nitrophenyl)azo]-3-oxo-N-(o-tolyl)butyramide	11725			Orange	Rinse-off products			
7	4-(Phenylazo)resorcinol	11920			Orange				
8	4-[(4-Ethoxyphenyl)azo]naphthol	12010			Red	Not to be used in products applied on mucous membranes			
9	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol and its insoluble barium, strontium and zirconium lakes, salts and pigments	12085			Red		3 %		
10	1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol	12120			Red	Rinse-off products			
11	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide	12370			Red	Rinse-off products			
12	N-(4-Chloro-2-methylphenyl)-4-[(4-	12420			Red	Rinse-off			

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	chloro-2-methylphenyl)azo]-3-hydroxynaphthalene-2-carboxamide					products			
13	4-[(2,5-Dichlorophenyl)azo]-N-(2,5-dimethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide	12480			Brown	Rinse-off products			
14	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide	12490			Red				
15	2,4-Dihydro-5-methyl-2-phenyl-4-(phenylazo)-3H-pyrazol-3-one	12700			Yellow	Rinse-off products			
16	Disodium 2-amino-5-[(4-sulphonatophenyl)azo]benzenesulphonate	13015			Yellow				
17	Sodium 4-(2,4-dihydroxyphenylazo)benzenesulphonate	14270			Orange				
18	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate	14700			Red				
19	Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate	14720		222-657-4	Red			Purity criteria as set out in Commission	

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								Directive 95/45/EC (E 122)	
20	Disodium 6-[(2,4-dimethyl-6-sulphonatophenyl)azo]-5-hydroxynaphthalene-1-sulphonate	14815			Red				
21	Sodium 4-[(2-hydroxy-1-naphthyl)azo]benzenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15510			Orange	Not to be used in eye products			
22	Calcium disodium bis[2-chloro-5-[(2-hydroxy-1-naphthyl)azo]-4-sulphonatobenzoate]	15525			Red				
23	Barium bis[4-[(2-hydroxy-1-naphthyl)azo]-2-methylbenzenesul-phonate]	15580			Red				
24	Sodium 4-[(2-Hydroxy-1-naphthyl)azo]naphthalene sulphonate	15620			Red	Rinse-off products			
25	Sodium 2-[(2-hydroxynaphthyl)azo]naphthalenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15630			Red		3 %		
26	Calcium bis[3-hydroxy-4-(phenylazo)-2-	15800			Red	Not to be			

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	naphthoate]					used in products applied on mucous membranes			
27	Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15850		226-109-5	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 180)	
28	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15865			Red				
29	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate	15880			Red				
30	Disodium 6-hydroxy-5-[(3-sulphonatophenyl)azo]naphthalene-2-sulphonate	15980			Orange				
31	Disodium 6-hydroxy-5-[(4-	15985		220-491-	Yellow			Purity criteria as	

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	sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments			7				set out in Commission Directive 95/45/EC (E 110)	
32	Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate	16035		247-368-0	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 129)	
33	Trisodium 3-hydroxy-4-[(4'-sulphonatonaphthyl)azo]naphthalene-2,7-disulphonate	16185		213-022-2	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 123)	
34	Disodium 7-hydroxy-8-(phenylazo)naphthalene-1,3-disulphonate	16230			Orange	Not to be used in products applied on mucous membranes			
35	Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-	16255		220-036-	Red			Purity criteria as set out in	

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	4',6,8-trisulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments			2				Commission Directive 95/45/EC (E 124)	
36	Tetrasodium 7-hydroxy-8-[(4-sulphonato-1-naphthyl)azo]naphthalene-1,3,6-trisulphonate	16290			Red				
37	Disodium 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	17200			Red				
38	Disodium 5-acetylamino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate	18050		223-098-9	Red	Not to be used in products applied on mucous membranes		Purity criteria as set out in Commission Directive 95/45/EC (E 128)	
39	2,7-Naphthalenedisulfonic acid, 3-((4-cyclohexyl-2-methylphenyl)azo)-4-hydroxy-5-(((4-methylphenyl)sulfonyl)amino)-, disodium salt	18130			Red	Rinse-off products			
40	Hydrogen bis[2-[(4,5-	18690			Yell	Rins			

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	dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)				ow	e-off products			
41	Disodium hydrogen bis[5-chloro-3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxybenzenesulphonato(3-)]chromate(3-)	18736			Red	Rinse-off products			
42	Sodium 4-(3-hydroxy-5-methyl-4-(phenylazo)pyrazol-2-yl)benzenesulphonate	18820			Yellow	Rinse-off products			
43	Disodium 2,5-dichloro-4-(5-hydroxy-3-methyl-4-((sulphophenyl)azo)pyrazol-1-yl)benzenesulphonate	18965			Yellow				
44	Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-((4-sulphophenyl)azo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments	19140		217-699-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 102)	
45	N,N'-(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis[2-[(2,4-dichlorophenyl)azo]-3-oxobutyramide]	20040			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	

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46	Sodium 4-amino-5-hydroxy-3-((4-nitrophenyl)azo)-6-(phenylazo)naphthalene-2,7-disulphonate	20470			Black	Rinse-off products			
47	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide]	21100			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	
48	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutyramide]	21108			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	
49	2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol]	21230			Yellow	Not to be used in products applied on mucous membranes			
50	Disodium 4,6-dihydroxy-	24790			Red	Rinse			

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	3-[[4-[1-[4-[[1-hydroxy-7-[(phenylsulphonyl)oxy]-3-sulphonato-2-naphthyl]azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-2-sulphonate					e-off products			
51	1-(4-(Phenylazo)phenylazo)-2-naphthol	26100			Red	Not to be used in products applied on mucous membranes		Purity criteria: aniline ≤ 0,2 % 2-naphtol ≤ 0,2 % 4-aminoazobenzene ≤ 0,1 % 1-(phenylazo)-2-naphtol ≤ 3 % 1-[2-(phenylazo)phenylazo]-2-napthalenol ≤ 2 %	
52	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate	27755			Black				
53	Tetrasodium 1-acetamido-2-hydroxy-3-(4-((4-sulphonatophenylazo)-7-sulphonato-1-naphthylazo))naphthalene	28440		219-746-5	Black			Purity criteria as set out in Commission	

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	-4,6-disulphonate							Directive 95/45/EC (E 151)	
54	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo] benzenesulfonic acid, sodium salts	40215			Orange	Rinse-off products			
55	beta Carotene	40800		230-636-6	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E160a)	
56	8'-apo-.beta.-Caroten-8'-al	40820			Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160e)	
57	Ethyl 8'-apo-.beta.-caroten-8'-oate	40825		214-173-7	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160f)	
58	Canthaxanthin	40850		208-187-2	Orange			Purity criteria as set out in	

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								Commission Directive 95/45/EC (E 161g)	
59	Ammonium, (4-(alpha-(p-(diethylamino)phenyl)-2,4-disulfobenzylidene)-2,5-cyclohexadien-1-ylidene)diethyl-, hydroxide, monosodium salt	42045			Blue	Not to be used in products applied on mucous membranes			
60	Ethanaminium, N-(4-((4-(diethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) and its insoluble barium, strontium and zirconium lakes, salts and pigments	42051		222-573-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 131)	
61	Benzene-methanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino) phenyl)(4-hydroxy-2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt	42053			Green				

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62	Hydrogen (benzyl)[4-[[4-[benzylethylamino]phenyl](2,4-disulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)ammonium, sodium salt	42080			Blue	Rinse-off products			
63	Benzene-methanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino) phenyl)(2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt	42090		223-339-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 133)	
64	Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	42100			Green	Rinse-off products			
65	Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	42170			Green	Rinse-off products			
66	(4-(4-Aminophenyl)(4-iminocyclohexa-2,5-dienylidene)methyl)-2-methylaniline	42510			Violet	Not to be used in			

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	hydrochloride					products applied on mucous membranes			
67	4-[(4-Amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride	42520			Violet	Rinse-off products	5ppm		
68	Hydrogen [4-[[4-(diethylamino)phenyl][4-[ethyl[(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	42735			Blue	Not to be used in products applied on mucous membranes			
69	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	44045			Blue	Not to be used in products applied on muc			

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						ous mem bran es			
70	Hydrogen [4-[4-(dimethylamino)-.alpha.-(2-hydroxy-3,6-disulphonato-1-naphthyl)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium, monosodium salt	44090		221-409-2	Green			Purity criteria as set out in Commission Directive 95/45/EC (E 142)	
71	Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylium, sodium salt	45100			Red	Rinse-off products			
72	Hydrogen 9-(2-carboxylatophenyl)-3-(2-methylanilino)-6-(2-methyl-4-sulphoanilino)xanthylium, monosodium salt	45190			Violet	Rinse-off products			
73	Hydrogen 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylium, monosodium salt	45220			Red	Rinse-off products			
74	Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate	45350			Yellow		6 %		
75	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one and its insoluble barium, strontium and zirconium	45370			Orange			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-	

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	lakes, salts and pigments							y1) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid	
76	Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45380			Red			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-y1) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid	
77	3',6'-Dihydroxy-4',5'-dinitrospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one	45396			Orange		1 %, when used in lip products	Only in free acid form, when used in lip products	
78	Dipotassium 3,6-dichloro-2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate	45405			Red	Not to be used in eye prod		Not more than 1 % 2-(6-hydroxy-3-oxo-3H xanthen-9-	

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						ucts		yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid	
79	3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid and its insoluble barium, strontium and zirconium lakes, salts and pigments	45410			Red			Not more than 1 % 2-(6-hydroxy-3-oxo-3H xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid	
80	Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45430		240-474-8	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 127)	
81	1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline	47000			Yellow	Not to be used in			

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						products applied on mucous membranes			
82	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl)-, sulfonated, sodium salts	47005		305-897-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 104)	
83	Hydrogen 9-[(3-methoxyphenyl)amino]-7-phenyl-5-(phenylamino)-4,10-disulphonatobenzo[a]phenazinium, sodium salt	50325			Violet	Rinse-off products			
84	Sulfonated nigrosine color	50420			Black	Not to be used in products applied on mucous membranes			

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85	8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine	51319			Violet	Rinse-off products			
86	1,2-Dihydroxyanthraquinone	58000			Red				
87	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate	59040			Green	Not to be used in products applied on mucous membranes			
88	1-Anilino-4-hydroxyanthraquinone	60724			Violet	Rinse-off products			
89	1-Hydroxy-4-(p-toluidino)anthraquinone	60725			Violet				
90	Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthryl)amino]toluene-3-sulphonate	60730			Violet	Not to be used in products applied on muc			

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						ous membranes			
91	1,4-bis(p-Tolylamino)anthraquinone	61565			Green				
92	Disodium 2,2'-(9,10-dioxoanthracene-1,4-diyldiimino)bis(5-methylsulphonate)	61570			Green				
93	Sodium 3,3'-(9,10-dioxoanthracene-1,4-diyldiimino)bis(2,4,6-trimethylbenzenesulphonate)	61585			Blue	Rinse-off products			
94	Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	62045			Blue	Rinse-off products			
95	6,15-Dihydroanthrazine-5,9,14,18-tetrone	69800			Blue				
96	7,16-dichloro-6,15-dihydroanthrazine-5,9,14,18-tetrone	69825			Blue				
97	Bisbenzimidazo[2,1-b:2',1'-i]benzo[lmn][3,8]phenanthroline-8,17-dione	71105			Orange	Not to be used in products applied on			

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						mucous membranes			
98	2-(1,3-Dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one	73000			Blue				
99	Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate	73015		212-728-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 132)	
100	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one	73360			Red				
101	5-Chloro-2-(5-chloro-7-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-7-methylbenzo[b]thiophene-3(2H)-one	73385			Violet				
102	5,12-Dihydroquino[2,3-b]acridine-7,14-dione	73900			Violet	Rinse-off products			
103	5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione	73915			Red	Rinse-off products			

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104	29H,31H-Phthalocyanine	74100			Blue	Rinse-off products			
105	29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper	74160			Blue				
106	Disodium [29H,31H-phthalocyaninedisulphonato (4-)-N29,N30,N31,N32] cuprate (2-)	74180			Blue	Rinse-off products			
107	Polychloro copper phthalocyanine	74260			Green	Not to be used in eye products			
108	8,8'-diapo-.psi.,.psi.-Carotenedioic acid	75100			Yellow				
109	Annatto	75120		215-735-4/289-561-2/230-248-7	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160b)	
110	Lycopene	75125		—	Yellow			Purity criteria as set out in Commission Directive	

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								95/45/EC (E 160d)	
111	CI Food Orange 5	75130		214-171-6	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160a)	
112	(3R)-beta-4-Caroten-3-ol	75135			Yellow				
113	2-Amino-1,7-dihydro-6H-purin-6-one	75170			White				
114	Curcumins	75300		207-280-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 100)	
115	Carmines	75470		215-680-6/215-023-3/215-724-4	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 120)	
116	Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-	75810		215-800-7/207-536-	Green			Purity criteria as set out in Commission	

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	vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-) (Chlorophylls)			6/208-272-4/287-483-3/239-830-5/246-020-5				Directive 95/45/EC (E 140, E 141)	
117	Aluminium	77000		231-072-3	White			Purity criteria as set out in Commission Directive 95/45/EC (E 173)	
118	Aluminium hydroxide sulphate	77002			White				
119	Natural hydrated aluminium silicate, $Al_2O_3.2SiO_2.2H_2O$, containing calcium, magnesium or iron carbonates, ferric hydroxide, quartz-sand, mica, etc. as impurities	77004			White				
120	Lazurite	77007			Blue				
121	Aluminum silicate coloured with ferric oxide	77015			Red				
122	Barium sulfate	77120			Whi				

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					te				
123	Bismuth chloride oxide	77163			Whi te				
124	Calcium carbonate	77220		207-439-9/215-279-6	Whi te			Purity criteria as set out in Commissi on Directive 95/45/EC (E 170)	
125	Calcium sulfate	77231			Whi te				
126	Carbon black	77266		215-609-9	Bla ck			Purity criteria as set out in Commissi on Directive 95/45/EC (E 153)	
127	Charcoal, bone. A fine black powder obtained by burning animal bones in a closed container. It consists primarily of calcium phosphate and carbon	77267			Bla ck				
128	Coke black	77268:1			Bla ck				
129	Chromium (III) oxide	77288			Gre en			free from chromate ion	
130	Chromium (III) hydroxide	77289			Gre			free from	

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					en			chromate ion	
131	Cobalt Aluminum Oxide	77346			Green				
132	Copper	77400			Brown				
133	Gold	77480		231-165-9	Brown			Purity criteria as set out in Commission Directive 95/45/EC (E 175)	
134	Iron oxide	77489			Orange				
135	Iron Oxide Red	77491		215-168-2	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
136	Iron Oxide Yellow	77492	51274-00-1	257-098-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
137	Iron Oxide Black	77499		235-442-5	Black			Purity criteria as set out in	

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								Commission Directive 95/45/EC (E 172)	
138	Ferric Ammonium Ferrocyanide	77510			Blue			free from cyanide ions	
139	Magnesium carbonate	77713			White				
140	Ammonium manganese(3+) diphosphate	77742			Violet				
141	Trimanganese bis (orthophosphate)	77745			Red				
142	Silver	77820		231-131-3	White			Purity criteria as set out in Commission Directive 95/45/EC (E 174)	
143	Titanium dioxide [1]	77891		236-675-5	White			Purity criteria as set out in Commission Directive 95/45/EC (E 171)	
144	Zinc oxide	77947			White				
145	Riboflavin	Lactofla		201-	Yell			Purity	

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		vin		507-1/204-988-6	ow			criteria as set out in Commission Directive 95/45/EC (E 101)	
146	Caramel	Caramel		232-435-9	Brown			Purity criteria as set out in Commission Directive 95/45/EC (E 150a-d)	
147	Paprika extract, Capsanthin, capsorubin	Capsanthin, capsorubin		207-364-1/207-425-2	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160c)	
148	Beetroot red	Beetroot Red	7659-95-2	231-628-5	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 162)	
149	Anthocyanins (Cyanidin, Peonidin Malvidin Delphinidin Petunidin	Anthocyanins	528-58-5 134-01-0 528-53-0 643-	208-438-6 205-125-6 211-	Red			Purity criteria as set out in Commission Directive 95/45/EC	

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	Pelargonidin)		84-5 134-04-3	403-8 208-437-0 — 205-127-7				(E 163)	
150	Aluminium, zinc, magnesium and calcium stearates	Aluminum stearate Zinc stearate Magnesium stearate Calcium stearate	7047-84-9 557-05-1 557-04-0 216-472-8	230-325-5 209-151-9 209-150-3 216-472-8	White				
151	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-3-methyl-6-(1-methylethyl)-, S,S-dioxide	Bromothymol blue	76-59-5	200-971-2	Blue	Rinse-off products			
152	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-,S,S-dioxide	Bromocresol green	76-60-8	200-972-8	Green	Rinse-off products			
153	Sodium 4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxynaphthalene-1-sulphonate	Acid red 195	12220-24-5	—	Red	Not to be used in products appli			

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						ed on mucous membranes			

(1) For use as a UV-Filter, see Annex VI, No. 27.

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ANNEX 8: LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS

Preamble

1. For the purposes of this list:
   - 'Salts' is taken to mean: salts of the cations sodium, potassium, calcium, magnesium, ammonium and ethanolamines; salts of the anions chloride, bromide, sulphate, acetate.
   - 'Esters' is taken to mean: esters of methyl, ethyl, propyl, isopropyl, butyl, isobutyl, phenyl.
2. All finished products containing formaldehyde or substances in this Annex and which release formaldehyde must be labelled with the warning 'contains formaldehyde' where the concentration of formaldehyde in the finished product exceeds 0,05 %.

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Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
1	Benzoic acid and its sodium salt	Benzoic acid	65-85-0	200-618-	Rinse-off produc	2,5 % (acid)		

		Sodium Benzoate	532-32-1	208-534-8	ts, except oral products			
					Oral products	1,7 % (acid)		
					Leave-on products	0,5 % (acid)		
1a	Salts of benzoic acid other than that listed under reference number 1 and esters of benzoic acid	Ammonium benzoate, calcium benzoate, potassium benzoate, magnesium benzoate, MEA-benzoate, methyl benzoate, ethyl benzoate, propyl benzoate, butyl benzoate, isobutyl benzoate, isopropyl benzoate, phenyl benzoate	1863-63-4, 2090-05-3, 582-25-2, 553-70-8, 4337-66-0, 93-58-3, 93-89-0, 2315-68-6,	217-468-9, 218-235-4, 209-481-3, 209-045-2, 224-387-2, 202-259-7, 202-284-3, 219-020-8, 205-252-7, 204-		0,5 % (acid)		

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			136-60-7, 120-50-3, 939-48-0, 93-99-2	401-3, 213-361-6, 202-293-2				
2	Propionic acid and its salts	Propionic acid, ammonium propionate, calcium propionate, magnesium propionate, potassium propionate, sodium propionate	79-09-4, 17496-08-1, 4075-81-4, 557-27-7, 327-62-8, 137-40-6	201-176-3, 241-503-7, 223-795-8, 209-166-0, 206-323-5, 205-290-4		2 % (acid)		
3	Salicylic acid (1) and its salts	Salicylic acid, calcium salicylate, magnesium salicylate, MEA-salicylate, sodium salicylate, potassium	69-72-7, 824-35-1, 18917-89-0, 598	200-712-3, 212-525-4, 242-669-3, 261-963-		0,5 % (acid)	Not to be used in products for children under 3 years of age, except for shampoos	Not to be used for children under 3 years of age (2)

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		salicylate, TEA-salicylate	66-70-5, 54-21-7, 578-36-9, 2174-16-5	2, 200-198-0, 209-421-6, 218-531-3				
4	Hexa-2,4-dienoic acid and its salts	Sorbic acid, calcium sorbate, sodium sorbate, potassium sorbate	110-44-1, 7492-55-9, 7757-81-5, 24634-61-5	203-768-7, 231-321-6, 231-819-3, 246-376-1		0,6 % (acid)		
5	Formal-dehyde, paraformaldehyde (3)	Formaldehyde Paraformaldehyde	50-00-0, 30525-89-4	200-001-8	Oral products	0,1 % (free formal dehyde)	Not to be used in aerosol dispensers (sprays)	
					Other products	0,2 % (free formal dehyde)		
6	Moved or deleted							

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7	Biphenyl-2-ol, and its salts	o-Phenylphenol, sodium o-phenylphenate, potassium o-phenylphenate, MEA o-phenylphenate	90-43-7, 132-27-4, 13707-65-8, 84145-04-0	201-993-5, 205-055-6, 237-243-9, 282-227-7		0,2 % (as phenol)		
8	Pyrithione zinc [4]	Zinc pyrithione	13463-41-7	236-671-3	Hair products	1,0 %	Only in rinse-off products Not to be used in oral products	
					Other products	0,5 %		
9	Inorganic sulphites and hydrogen-sulphites [5]	Sodium sulfite, ammonium bisulfite, ammonium sulfite, potassium sulfite, potassium hydrogen sulfite, sodium bisulfite, sodium metabisulfite, potassium metabisulfite	7757-83-7, 10192-30-0, 10196-04-0, 10117-38-1, 7773-03-7, 763	231-821-4, 233-469-7, 233-484-9, 233-321-1, 231-870-1, 231-548-0, 231-673-0,		0,2 % (as free SO_2)		

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			1-90-5, 7681-57-4, 16731-55-8	240-795-3				
10	Moved or deleted							
11	Chlorobutanol	Chlorobutanol	57-15-8	200-317-6		0,5 %	Not to be used in aerosol dispensers (sprays)	Contains Chlorobutanol
12	4-Hydroxybenzoic acid and its salts and esters	4-Hydroxybenzoic acid, methylparaben, butylparaben, potassium ethylparaben, potassium paraben, propylparaben, isobutylparaben, sodium methylparaben, sodium ethylparaben, sodium propylparaben, sodium butylparaben, sodium	99-96-7, 99-76-3, 94-26-8, 36457-19–9,16782-08-4, 94-13-3, 4247-02-3, 502	202-804-9, 202-785-7, 202-318-7, 253-048-1, 240-830-2, 202-307-7, 224-208-8, 225-714-1,		0,4 % (as acid) for single ester, 0,8 % (as acid) for mixtures of esters		

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		isobutylparaben, ethylparaben, sodium paraben, isopropylparaben, potassium methylparaben, potassium butylparaben, potassium propylparaben, sodium propylparaben, calcium paraben, phenylparaben	6-62-0, 35285-68-8, 35285-69-9, 36457-20-2, 84930-15-4, 120-47-8, 114-63-6, 4191-73-5, 2611-07-2, 38566-94-8, 84930-17-4, 35285-	252-487-6, 252-488-1, 253-049-7, 284-595-4, 204-399-4, 204-051-1, 224-069-3, 247-464-2, 254-009-1, 284-597-5, 252-488-1, 274-235-4, 241-698-9				

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			69-9, 69959-44-0, 17696-62-7					
13	3-Acetyl-6-methylpyran-2,4 (3H)-dione and its salts	Dehydroacetic acid, sodium dehydroacetate	520-45-6, 4418-26-2, 16807-48-0	208-293-9, 224-580-1		0,6 % (as acid)	Not to be used in aerosol dispensers (sprays)	
14	Formic acid and its sodium salt	Formic acid, sodium formate	64-18-6, 141-53-7	200-579-1, 205-488-0		0,5 % (as acid)		
15	3,3'-Dibromo-4,4'-hexamethylenedioxydi-benzamidine and its salts (including isethionate)	Dibromohexamidine Isethionate	93856-83-8	299-116-4		0,1 %		
16	Thiomersal	Thimerosal	54-64-8	200-210-4	Eye products	0,007 % (of Hg) If mixed with other		Contains Thiomersal

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						mercurial compounds authorised by this Regulation, the maximum concentration of Hg remains fixed at 0,007 %		
17	Phenylmercuric salts (including borate)	Phenyl Mercuric Acetate, Phenyl Mercuric Benzoate	62-38-4, 94-43-9	200-532-5, 202-331-8	Eye products	0,007 % (of Hg) If mixed with other mercurial compounds authorised by this Regulation, the maximum concentration of Hg		Contains Phenylmercuric compounds

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						remains fixed at 0,007 %		
18	Undec-10-enoic acid and its salts	Undecylenic acid, potassium undecylenate, sodium undecylenate, calcium undecylenate, TEA-undecylenate, MEA-undecylenate	112-38-9, 6159-41-7, 3398-33-2, 1322-14-1, 84471-25-0, 56532-40-2	203-965-8, 222-264-8, 215-331-8, 282-908-9, 260-247-7		0,2 % (as acid)		
19	5- Pyrimidinamine, 1,3-bis (2-ethylhexyl) hexahydro-5-methyl-	Hexetidine	141-94-6	205-513-5		0,1 %		
20	5-Bromo-5-nitro-1,3-dioxane	5-Bromo-5-nitro-1,3-dioxane	30007-47-7	250-001-7	Rinse-off products	0,1 %	Avoid formation of nitrosamines	
21	Bronopol	2-Bromo-2-nitropropan	52-	200-143-		0,1 %	Avoid formation	

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		e-1,3-diol	51-7	0			of nitrosamines	
22	2,4-Dichlorobenzyl alcohol	Dichlorobenzyl Alcohol	1777-82-8	217-210-5		0,15 %		
23	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl) urea (6)	Triclocarban	101-20-2	202-924-1		0,2 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene <1 ppm 3,3',4,4'-Tetrachloroazoxybenzene <1 ppm	
24	Chlorocresol	p-Chloro-m-Cresol	59-50-7	200-431-6	Not to be used in products applied on mucuous membranes	0,2 %		
25	5-Chloro-2- (2,4-dichlorophenoxy) phenol	Triclosan	3380-34-5	222-182-2		0,3 %		
26	Chloro-xylenol	Chloroxylenol	88-04-0	201-793-8		0,5 %		
27	N,N″-methylenebis[N′-	Imidazolidinyl urea	39236-	254-372-		0,6 %		

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	[3-(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl]urea]		46-9	6				
28	Poly(methylene),.alpha.,.omega.-bis[[[(aminoiminomethyl)amino]iminomethyl] amino]-, dihydrochloride	Polyaminopropyl biguanide	70170-61-5, 28757-47-3, 133029-32-0			0,3 %		
29	2-Phenoxyethanol	Phenoxyethanol	122-99-6	204-589-7		1,0 %		
30	Methenamine	Methenamine	100-97-0	202-905-8		0,15 %		
31	Methenamine 3-chloroallylochloride	Quaternium-15	4080-31-3	223-805-0		0,2 %		
32	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one	Climbazole	38083-17-9	253-775-4		0,5 %		
33	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	DMDM Hydantoin	6440-58-0	229-222-8		0,6 %		

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34	Benzyl alcohol (7)	Benzyl alcohol	100-51-6	202-859-9		1,0 %		
35	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl) 2-pyridon and its monoethanolamine salt	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl) 2-pyridon, Piroctone Olamine	50650-76-5, 68890-66-4	272-574-2	Rinse-off products	1,0 %		
					Other products	0,5 %		
36	Moved or deleted							
37	2,2'-methylenebis(6-bromo-4-chlorophenol)	Bromochlorophene	15435-29-7	239-446-8		0,1 %		
38	4-Isopropyl-m-cresol	o-Cymen-5-ol	3228-02-2	221-761-7		0,1 %		
39	Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate	Methylchloroisothiazolinone and Methylisothiazolinone	26172-55-4, 2682-20-4, 55965-84-9	247-500-7, 220-239-6		0,0015 % (of a mixture in the ratio 3:1 of 5-chloro-2-methyl isothiazol 3(2H)-one and 2-methyl isothiazol-3		

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						(2H)-one		
40	2-Benzyl-4-chlorophenol	Chlorophene	120-32-1	204-385-8		0,2 %		
41	2-Chloroacetamide	Chloroacetamide	79-07-2	201-174-2		0,3 %		Contains chloroacetamide
42	N,N″-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecane diamidine and its digluconate, diacetate and dihydrochloride	Chlorhexidine, Chlorhexidine Diacetate, Chlorhexidine Digluconate, Chlorhexidine Dihydrochloride	55-56-1, 56-95-1, 18472-51-0, 3697-42-5	200-238-7, 200-302-4, 242-354-0, 223-026-6		0,3 % (as chlorhexidine)		
43	1-Phenoxypropan-2-ol (8)	Phenoxyisopropanol	770-35-4	212-222-7	Only for rinse-off products	1,0 %		
44	Alkyl (C_{12-22}) trimethyl ammonium bromide and chloride	Behentrimonium chloride, cetrimonium bromide, cetrimonium chloride, laurtrimoniu	17301-53-0, 57-09-0, 112-	241-327-0, 200-311-3, 203-928-		0,1 %		

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		m bromide, laurtrimonium chloride, steartrimonium bromide, steartrimonium chloride	02-7, 1119-94-4, 112-00-5, 1120-02-1, 112-03-8	6, 214-290-3, 203-927-0, 214-294-5, 203-929-1				
45	4,4-Dimethyl-1,3-oxazolidine	Dimethyl Oxazolidine	51200-87-4	257-048-2		0,1 %	pH > 6	
46	N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	Diazolidinyl Urea	78491-02-8	278-928-2		0,5 %		
47	Benzenecarboximidamide, 4,4'-(1,6-hexanediylbis (oxy))bis- and its salts (including isethionate and p-hydroxybenzoate)	Hexamidine, Hexamidine diisethionate, Hexamidine paraben	3811-75-4, 659-40-5, 93841-83-9	211-533-5, 299-055-3		0,1 %		
48	Glutaraldehyde (Pentane-1,5-dial)	Glutaral	111-30-8	203-856-		0,1 %	Not to be used in aerosols	Contains glutara

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				5			(sprays)	1 (9)
49	5-Ethyl-3,7-dioxa-1-azabicyclo [3.3.0] octane	7-Ethylbicyclooxazolidine	7747-35-5	231-810-4		0,3 %	Not to be used in oral products and in products applied on mucous membranes	
50	3-(p-Chlorophenoxy)-propane-1,2 diol	Chlorphenesin	104-29-0	203-192-6		0,3 %		
51	Sodium hydroxymethylamino acetate	Sodium Hydroxymethylglycinate	70161-44-3	274-357-8		0,5 %		
52	Silver chloride deposited on titanium dioxide	Silver chloride	7783-90-6	232-033-3		0,004 % (as AgCl)	20 % AgCl (w/w) on TiO_2. Not to be used in products for children under 3 years of age, in oral products and in eye and lip products	
53	Benzenemethanaminium, N,N-	Benzethonium	121-54-0	204-479-	(Rinse-off	0,1 %		

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	dimethyl-N-[2-[2-[4-(1,1,3,3,-tetramethylbutyl)phenoxy]ethoxy]ethyl]-, chloride	Chloride		9	) products (Leave-on products other than oral products			
54	Benzalkonium chloride, bromide and saccharinate (10)	Benzalkonium chloride, benzalkonium bromide, benzalkonium saccharinate	8001-54-5, 63449-41-2, 91080-29-4, 68989-01-5, 68424-85-1, 68391-01-5, 61789-71-7, 854	264-151-6, 293-522-5, 273-545-7, 270-325-2, 269-919-4, 263-080-8, 287-089-1		0,1 % (as benzalkonium chloride)		Avoid contact with eyes

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			09-22-9					
55	Methanol, (phenylmethoxy-)	Benzylhemiformal	14548-60-8	238-588-8	Rinse-off products	0,15 %		
56	3-Iodo-2-propynylbutylcarbamate	Iodopropynyl butylcarbamate	55406-53-6	259-627-5	(a) Rinse-off products (b) Leave-on products (c) Deodorants/anti-perspirants	(a) 0,02 % (b) 0,01 %, (c) 0,0075 %	Not to be used in oral and lip products (a) Not to be used in products for children under 3 years of age, except in bath products/shower gels and shampoo (b) Not to be used in body lotion and body cream [13] (b) Not to be used in (c) products for	(a) Not to be used for children under 3 years of age [11] (b) Not to be used for (c) children under 3 years of age [12]

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							childre n under 3 years of age	
57	2-Methyl-2H-isothiazol-3-one	Methylisothiazolinone	2682-20-4	220-239-6		0,01 %		

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ANNEX 9: LIST OF UV FILTERS ALLOWED IN COSMETIC PRODUCTS

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN/XAN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
1	4-Aminobenzoic acid	PABA	150-13-0	205-753-0		5 %		
2	*N*,*N*,*N*-Trimethyl-4-(2-oxoborn-3-ylidenemethyl) anilinium methyl sulfate	Camphor Benzalkonium Methosulfate	52793-97-2	258-190-8		6 %		
3	Benzoic acid, 2-hydroxy-, 3,3,5-trimethylcyclohexyl ester/Homosalate	Homosalate	118-56-9	204-260-8		10 %		
4	2-Hydroxy-4-methoxybenzophenone /Oxybenzone	Benzophenone-3	131-57-7	205-031-5		10 %		Contains Benzophenone-3 (1)
5	Moved or deleted							
6	2-	Phenylbenzi	2750	248-		8 %(as		

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	Phenylbenzimidazole-5-sulfonic acid and its potassium, sodium and triethanolamine salts/Ensulizole	midazole Sulfonic Acid	3-81-7	502-0		acid)		
7	3,3'-(1,4-Phenylenedimethylene) bis(7, 7-dimethyl-2-oxobicyclo-[2.2.1]hept-1-yl-methanesulfonic acid) and its salts/Ecamsule	Terephthalylidene Dicamphor Sulfonic Acid	92761-26-7, 90457-82-2	410-960-6		10 %(as acid)		
8	1-(4-tert-Butylphenyl)-3-(4-methoxyphenyl)propane-1,3-dione/Avobenzone	Butyl Methoxydibenzoylmethane	70356-09-1	274-581-6		5 %		
9	alpha-(2-Oxoborn-3-ylidene)-toluene-4-sulphonic acid and its salts	Benzylidene Camphor Sulfonic Acid	56039-58-8			6 % (as acid)		
10	2-Cyano-3,3-diphenyl acrylic acid, 2-ethylhexyl ester/Octocrilene	Octocrylene	6197-30-4	228-250-8		10 % (as acid)		
11	Polymer of N-{(2 and 4)-[(2-oxoborn-3-ylidene)methyl]benzyl } acrylamide	Polyacrylamidomethyl Benzylidene Camphor	113783-61-2			6 %		
12	2-Ethylhexyl 4-methoxycinnamate/Octinoxate	Ethylhexyl Methoxycinnamate	5466-77-3	226-775-7		10 %		
13	Ethoxylated ethyl-4-aminobenzoate	PEG-25 PABA	116242-27-4			10 %		

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14	Isopentyl-4-methoxycinnamate/Amiloxate	Isoamyl p-Methoxycinnamate	71617-10-2	275-702-5		10 %		
15	2,4,6-Trianilino-(p-carbo-2'-ethylhexyl-1'-oxy)-1,3,5-triazine	Ethylhexyl Triazone	88122-99-0	402-070-1		5 %		
16	Phenol,2-(2H-benzotriazol-2-yl)-4-methyl-6-(2-methyl-3-(1,3,3,3-tetramethyl-1-(trimethylsilyl)oxy)-disiloxanyl)propyl)	Drometrizole Trisiloxane	155633-54-8			15 %		
17	Benzoic acid, 4,4-((6-((4-(((1,1-dimethylethyl)amino)carbonyl)phenyl)amino)-1,3,5-triazine-2,4-diyl)diimino)bis-, bis (2-ethylhexyl) ester/Iscotrizinol (USAN)	Diethylhexyl Butamido Triazone	154702-15-5			10 %		
18	3-(4-Methylbenzylidene)-dl camphor/Enzacamene	4-Methylbenzylidene Camphor	38102-62-4/36861-47-9	- / 253-242-6		4 %		
19	3-Benzylidene camphor	3-Benzylidene Camphor	15087-24-8	239-139-9		2 %		
20	2-Ethylhexyl salicylate/Octisalate	Ethylhexyl Salicylate	118-60-5	204-263-4		5 %		
21	2-Ethylhexyl 4-(dimethylamino)benzo	Ethylhexyl Dimethyl	21245-	244-289-		8 %		

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	ate/Padimate O (USAN:BAN)	PABA	02-3	3				
22	2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid and its sodium salt/Sulisobenzone	Benzophenone-4, Benzophenone-5	4065-45-6/6628-37-1	223-772-2 / -		5 % (as acid)		
23	2,2'-Methylene-bis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethyl-butyl)phenol) / Bisoctrizole	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	103597-45-1	403-800-1		10 %		
24	Sodium salt of 2,2'-bis(1,4-phenylene)-1H-benzimidazole-4,6-disulfonic acid) / Bisdisulizole disodium (USAN)	Disodium Phenyl Dibenzimidazole Tetrasulfonate	180898-37-7	429-750-0		10 % (as acid)		
25	2,2'-(6-(4-Methoxyphenyl)-1,3,5-triazine-2,4-diyl)bis(5-((2-ethylhexyl)oxy)phenol) / Bemotrizinol	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	187393-00-6			10 %		
26	Dimethicodiethylbenzalmalonate	Polysilicone-15	207574-74-1	426-000-4		10 %		
27	Titanium dioxide [2]	Titanium Dioxide	13463-67-7/1317-70-0/1317-	236-675-5/205-280-1/215-282-		25 %		

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			80-2	2				
28	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, hexylester	Diethylamino Hydroxybenzoyl Hexyl Benzoate	302776-68-7	443-860-6		10 % in sunscreen products		

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ANNEX 10: SYMBOLS USED ON PACKAGING/CONTAINER

1. **Reference to enclosed or attached information**

3. **Period-after-opening**

4. **Date of minimum durability**

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ANNEX 11: COSMETICS PRODUCT STANDARDS & GENERAL GUIDELINES

SL NO	KS NO	TITLE	STATUS
	KS EAS 335: 2013	Cologne — Specification	Confirmed 4th October 2018
	KS EAS 336: 2013	Chemical depilatories — Specification	Confirmed 4th October 2018
	KS EAS 337: 2013	Henna powder — Specification	Confirmed 4th October 2018
	KS EAS 338: 2013	Chemical hair relaxers and hair waving products — Specification	Confirmed 4th October 2018
	KS EAS 339: 2013	Hair creams, lotions and gels — Specification	Confirmed 4th October 2018
	KS EAS 340: 2013	Nail polish — Specification	Confirmed 4th October 2018
	KS EAS 341: 2013	Nail polish removers — Specification	Confirmed 4th October 2018
	KS EAS 342: 2013	Pomades and solid brilliantines — Specification	Confirmed 4th October 2018
	KS EAS 346: 2013	Labelling of cosmetics — General requirements	Confirmed 4th October 2018
	KS EAS 461-1: 2013	Hair dyes – Part 1: Aryl diamine based formulated powders — Specification	Confirmed 4th October 2018
	KS EAS 425-1: 2017	Skin powders — Specification — Part 1: Body and face powder	Approved June 2018
	KS EAS 425-2: 2017	Skin powders — Specification — Part 2: Baby powder	Approved June 2018
	KS EAS 835-1:2017	Bath preparations — Part 1: Synthetic detergent-based foam baths and shower gels — Specification	Approved June 2018
	KS EAS 840: 2017	Shaving cream — Specification	Approved June 2018
	KS EAS 841: 2017	Hair oils — Specification	Approved June 2018
	KS EAS 842-1: 2017	Hair shampoo — Part 1: Soap based — Specification	Approved June 2018
	KS EAS 844: 2017	Aryl di-amine-based liquid oxidation hair dyes — Specification	Approved June 2018
	KS EAS 845: 2017	Cosmetic pencils — Specification	Approved June 2018
	KS EAS 846: 2017	Glossary of terms relating to the cosmetic industry	Approved June 2018
	KS 577: 2018	Hair shampoo, synthetic detergent based: Specification (Third Edition).	Approved June 2018

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	KS EAS 126:1999	Pure petroleum jelly for cosmetic industry — Specification	Confirmed 4th October 2018
	KS 799:1989	Kenya Standard — Specification for castor oil for cosmetic industry, First Edition, Confirmed 2007	Confirmed 4th October 2018
	KS 1668: 2001	Kenya Standard — Methods of sampling cosmetics, First Edition	Confirmed 4th October 2018
	KS 1768: 2003	Kenya Standard — Specification for talc for cosmetic industry	Confirmed 4th October 2018
	KS EAS 786: 2013	Kenya Standard — Skin Care creams, lotions and gels — Specification	Approved 8th April 2020
	KS EAS 956: 2020	Kenya Standard — Air freshener aerosols — Specification, First Edition	Approved December 2020
	KS EAS 957: 2020	Kenya Standard — Aftershave — Specification, First Edition	Approved December 2020
	KS EAS 958: 2020	Kenya Standard — Baby oils — Specification, First Edition	Approved December 2020
	KS EAS 959: 2020	Kenya Standard — Body oils — Specification, First Edition	Approved December 2020
	KS EAS 960: 2020	Kenya Standard — Deodorants and antiperspirants — Specification, First Edition	Approved December 2020
	KS EAS 961: 2020	Kenya Standard — Glycerine for cosmetic industry — Specification, First Edition	Approved December 2020
	KS EAS 962: 2020	Kenya Standard — Hair spray — Specification, First Edition	Approved December 2020
	KS EAS 963: 2020	Kenya Standard — Lip balm (Lip salve) — Specification, First Edition	Approved December 2020
	KS EAS 964: 2020	Kenya Standard — Lip shine (gloss) — Specification, First Edition	Approved December 2020
	KS EAS 965: 2020	Kenya Standard — Lipstick — Specification, First Edition	Approved December 2020
	KS EAS 967-1: 2020	Kenya Standard — Butter for cosmetic use — Specification — Part 1: Shea butter, First Edition	Approved December 2020
	KS EAS 185:2007	Kenya Standard — Papain powder specification	Confirmed December 2020
	KS ISO 22716: 2007	Cosmetics -- Good Manufacturing Practices (GMP) -- Guidelines on Good Manufacturing Practices	Approved June 2017

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	KS EAS 334: 2013	Illustrative list by category of cosmetic products	Confirmed 4th October 2018
B:	RAW MATERIAL STANDARDS		
	KS EAS 377-1: 2013	Cosmetics and Cosmetic Products Part 1: List of substances prohibited in cosmetic products	Confirmed 4th October 2018
	KS EAS 377-2: 2013	Part 2: List of substances which cosmetic products must not contain except subject to the restrictions laid down	Confirmed 4th October 2018
	KS EAS 377- 3: 2013	Part 3: List of colorants allowed in cosmetic products	Confirmed 4th October 2018
	KS EAS 377- 4: 2013	Part 4: List of preservatives allowed in cosmetic products	Confirmed 4th October 2018
	KS EAS 377- 5: 2013	Part 5: Use of UV filters in cosmetic products	Confirmed 4th October 2018
	KS EAS 64:2017	Groundnut (peanut) oil for cosmetic industry — Specification	Approved June 2018
	KS EAS 65:2017	Coconut oil for cosmetic industry — Specification	Approved June 2018
	KS EAS 86: 2017	Sesame (Simsim) oil for cosmetic industry — Specification	Approved June 2018
	KS EAS 837: 2017	Avocado oil for cosmetic industry — Specification	Approved June 2018
	KS 915: 1990	Specification for anhydrous lanolin for cosmetic industry, First Edition	Confirmed 4th October 2018
	KS 1769-1: 2005:	Glycerine: Part 1: Soap lye crude glycerine: Specification.	Confirmed 4th October 2018
	KS 1769-2: 2005:	Glycerine: Part 2: Saponification (hydrolyzer) crude glycerine: Specification.	Confirmed 4th October 2018
	KS 1769-3: 2005:	Glycerine: Part 3: Analytical reagent (AR) glycerine: Specification.	Confirmed 4th October 2018
	KS 1769-5: 2005:	Glycerine: Part 5: Industrial white (IW) glycerine: Specification.	Confirmed 4th October 2018
	KS 1769-6: 2005:	Glycerine: Part 6: Technical (TECH) glycerine: Specification	Confirmed 4th October 2018
	KS 1769-7:2005:	Glycerine - Part 7: Dynamite grade (DYN) glycerine - Specification.	Confirmed 4th October 2018
	KS ISO 770: 1980:	Oil of eucalyptus globulus.	Confirmed 4th October 2018 2002 version available
	KS ISO 3053: 2004:	Oil of grapefruit (Citrus x paradisi macfad.), obtained by expression (Second Edition).	Confirmed 4th October 2018
	KS ISO 3515: 2002:	Oil of lavender (Lavandula angustifolia mill.) (Third Edition).	Confirmed 4th October 2018

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	KS ISO 3217: 1974:	Oil of lemongrass (Cymbopogon citratus).	Confirmed 4th October 2018
	KS ISO 4718: 1981:	Oil of lemongrass (Cymbopogon flexuosus).	Confirmed 4th October 2018 2004 version available
	KS ISO 3519: 2005:	Oil of lime distilled, Mexican type [Citrus aurantifolia (Christm.) swingle].	Confirmed 4th October 2018
	KS ISO 3809: 1987:	Oil of lime, Mexico [Citrus aurantiifolia (Christmann) Swingle].	Confirmed 4th October 2018 2004 version available
	KS ISO 3214: 2000:	Oil of Litsea cubeba (Litsea cubeba Pers.) (Second Edition).	Confirmed 4th October 2018
	KS ISO 4716: 1987:	Oil of vetiver [Vetiveria zizanioides (Linnaeus) Nash]	Confirmed 4th October 2018 2013 version available
	KS ISO 3475:1975	Kenya Standard — Essential oil of aniseed (Pimpinella anisum L.)	Confirmed December 2020 2020 version available
	KS ISO 3528: 1997:	Oil of mandarin, Italian type (Citrus reticulata Blanco).	Confirmed 4th October 2018 2012 version available
	KS ISO 3517: 1975:	Oil of neroli.	Confirmed 4th October 2018 2012 version available
	KS ISO 3527: 2000:	Oil of parsley fruit (Petroselinum sativum Hoffm).	Confirmed 4th October 2018 2016 version available
	KS ISO 3757: 1978:	Oil of patchouli.	Confirmed 4th October 2018 2002 version available
	KS ISO 3714: 1980:	Oil of pennyroyal.	Confirmed 4th October 2018
	KS ISO 3526: 1991:	Oil of sage (Salvia lavandulifolia).	Confirmed 4th October 2018 2005 version available
	KS ISO 3518: 2002:	Oil of sandalwood (Santalum album L.).	Confirmed 4th October 2018

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	KS ISO 4719: 1999:	Oil of spike lavender [Lavandula latifolia (L.f.) Medikus], Spanish type	Confirmed 4th October 2018 2012 version available
	KS ISO 3140: 2005:	Oil of sweet orange [Citrus sinensis (L.) Obsbeck], obtained by mechanical treatment (Third Edition).	Confirmed 4th October 2018 2019 version available
	KS ISO 3063: 2004:	Oil of ylang: ylang [Cananga odorata (Lam.) Hook f. et Thomson forma genuina] (Second Edition).	Confirmed 4th October 2018
C:	METHODS OF SAMPLING AND TEST		
	KS ISO 16212: 2008	Kenya Standard — Cosmetics — Microbiology — Enumeration of yeast and mould	Confirmed December 2020
	KS ISO 18415: 2007	Kenya Standard — Cosmetics — Microbiology — Detection of specified and non-specified microorganisms	Confirmed December 2020
	KS ISO 18416: 2015	Kenya Standard — Cosmetics — Microbiology — Detection of Candida albicans	Approved June 2017, Confirmed December 2020
	KS ISO 21148: 2005	Kenya Standard — Cosmetics — Microbiology — General instructions for microbiological examination	Confirmed December 2020
	KS ISO 21149: 2006	Kenya Standard — Cosmetics — Microbiology — Enumeration and detection of aerobic mesophilic bacteria	Confirmed December 2020
	KS ISO 21150:2015	Kenya Standard — Cosmetics — Microbiology — Detection of Escherichia coli	Approved June 2017, Confirmed December 2020
	KS ISO 22717:2015	Kenya Standard — Cosmetics — Microbiology — Detection of Pseudomonas aeruginosa	Approved June 2017, Confirmed December 2020
	KS ISO 22718:2015	Kenya Standard — Cosmetics — Microbiology — Detection of Staphylococcus aureus	Approved June 2017, Confirmed December 2020
	KS ISO 17516: 2014	Cosmetics — Microbiology — Microbiological limits	Approved June 2017
	KS ISO 16128 – 1: 2016	Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients and products -- Part 1: Definitions for ingredients	Approved June 2017
	KS ISO 11930: 2012	Cosmetics — Microbiology — Evaluation of the antimicrobial protection of a cosmetic product	Approved June 2017

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	KS ISO 29621: 2017	Cosmetics — Microbiology — Guidelines for the risk assessment and identification of microbiologically low-risk products	Approved June 2017
	KS ISO 356:1999	Kenya Standard — Essential oils — Preparation of test samples	Confirmed December 2016
	KS ISO 24153:2009	Kenya Standard — Random sampling and randomization procedures	Confirmed 2016. Reconfirmed December 2020
	KS 1770-1:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 1: Samples and test methods – General, First Edition	Confirmed 4th October 2018
	KS 1770-2:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 2: Methods of sampling, First Edition	Confirmed 4th October 2018
	KS 1770-3:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 3: Determination of glycerol content, First Edition	Confirmed 4th October 2018
	KS 1770-4:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 4: Determination of density and relative density, First Edition	Confirmed 4th October 2018
	KS 1770-5:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 5: Determination of alkalinity and acidity — Volumetric method, First Edition	Confirmed 4th October 2018
	KS 1770-6:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 6: Determination of ash — Gravimetric method, First Edition	Confirmed 4th October 2018
	KS 1770-7:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 7: Determination of sulphated ash — Gravimetric method, First Edition	Confirmed 4th October 2018
	KS 1770-8:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 8:	Confirmed 4th October 2018

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		Determination of water content — Karl Fischer method, First Edition	
	KS 1770-9:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 9: Calculation of Matter (Organic) Non-Glycerol (MONG), First Edition	Confirmed 4th October 2018
	KS 1770-10:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 10: Determination of arsenic content: silver diethyldithiocarbamate method, First Edition	Confirmed 4th October 2018
	KS 1770-11:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 11: Determination of propane 1, 3-diol content - Gas chromatographic method, First Edition	Confirmed 4th October 2018
	KS 1770-12:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 12: Determination of chloride content, First Edition	Confirmed 4th October 2018
	KS 1770-13:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 13: Limit test for chloride, First Edition	Confirmed 4th October 2018
	KS 1770-14:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 14: Limit test for organic chloride, First Edition	Confirmed 4th October 2018
	KS 1770-15:2007 Edition	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part15: Determination of heavy metals content, First Edition	Confirmed 4th October 2018
	KS 1770-16:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part16: Determination of iron content, First Edition	Confirmed 4th October 2018
	KS 1770-17:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 17: Limit test for lead, First Edition	Confirmed 4th October 2018
	KS 1770-18:2007 Edition	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 18: Detection	Confirmed 4th October 2018

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		of sugars, First Edition	
	KS 1770-19:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 19: Assessment of odour, First Edition	Confirmed 4th October 2018
	KS 1770-20:2007	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 20: Test for reducing substances, First Edition	Confirmed 4th October 2018
	KS 1770-21:2007,	Kenya Standard — Methods of sampling and test for crude and refined glycerine Part 21: Determination of saponification equivalent, First Edition	Confirmed 4th October 2018
	KS EAS 847-1:2017	Cosmetics — Analytical methods Part 1: Glossary of terms, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-2:2017	Cosmetics — Analytical methods Part 2: Determination of moisture content and volatile matter content, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-3:2017	Cosmetics — Analytical methods Part 3: Determination of insoluble impurities, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-4:2017	Cosmetics — Analytical methods Part 4: Determination of acid value and free fatty acids, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-5:2017	Cosmetics — Analytical methods Part 5: Determination of unsaponifiable matter, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-6:2017	Cosmetics — Analytical methods Part 6: Determination of melting point, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-7:2017	Cosmetics — Analytical methods Part 7: Determination of specific gravity, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-8:2017	Cosmetics — Analytical methods Part 8: Titre test, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-9: 2017	Cosmetics — Analytical methods Part 9: Determination of colour, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-10: 2017	Cosmetics — Analytical methods Part 10: Determination of acetyl value and hydroxyl value, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-11:2017	Cosmetics — Analytical methods Part 11: Determination of allyl	Approved by SAC on 4th October

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		isothiocyanate, First Edition	2018
	KS EAS 847-12:2017	Cosmetics — Analytical methods Part 12: Determination of flash point by Pensky-Martens closed cap tester, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-13:2017	Cosmetics — Analytical methods Part 13: Determination of rancidity, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-14:2017	Cosmetics — Analytical methods Part 14: Determination of Polenske value, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-15:2017	Cosmetics — Analytical methods Part 15: Determination of ash content, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-16:2017	Cosmetics — Analytical methods Part 16: Determination of lead, mercury and arsenic content	Approved by SAC on 4th October 2018
	KS EAS 847-17:2017	Cosmetics — Analytical methods Part 17: Determination of pH, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-18:2017	Cosmetics — Analytical methods Part 18: Determination of thermal stability, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-19:2017	Cosmetics — Analytical methods Part 19: Determination of non-ionic, anionic and cationic surfactant content, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-20:2017	Cosmetics — Analytical methods Part 20: Determination of lather volume (foaming power) , First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-21:2017	Cosmetics — Analytical methods Part 21: Determination of free acid in oils, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-22:2017	Cosmetics — Analytical methods Part 22: Determination of sulphur and sulphides in oils, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-23:2017	Cosmetics — Analytical methods Part 23: Test for absence of grit in powders, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-24:2017	Cosmetics — Analytical methods Part 24: Determination of matter insoluble in boiling water, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-25:2017	Cosmetics — Analytical methods Part 25: Determination of fineness, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-	Cosmetics — Analytical methods	Approved by SAC

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	26:2017	Part 26: Determination of boric acid, First Edition	on 4th October 2018
	KS EAS 847-27:2017	Cosmetics — Analytical methods Part 27: Determination of total fatty substance by gravimetric method, First Edition	Approved by SAC on 4th October 2018
	KS EAS 847-28:2017	Cosmetics — Analytical methods Part 28: Determination of free caustic alkali, First Edition	Approved by SAC on 4th October 2018
	KS 801-15: 2004	Kenya Standard — Oils for cosmetic industry — Methods of test Part 15: Determination of reichert — Meissl value	Confirmed 4th October 2018
	KS 801-20: 2004	Kenya Standard — Oils for cosmetic industry — Methods of test Part 20: Determination of viscosity by capillary method	Confirmed 4th October 2018
	KS 801-22: 2004	Kenya Standard — Oils for cosmetic industry — Methods of test Part 22: Determination of cloud-point	Confirmed 4th October 2018
	KS 801-23: 2004	Kenya Standard — Oils for cosmetic industry — Methods of test Part 23: Determination of relative density for liquids oils (Capillary stoppered pyknometer)	Confirmed 4th October 2018

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WITHDRAWN STANDARDS

WITHDRAWALS (SYSTEMATIC REVIEW) 4th October 2018

KS 801-1:2003 Kenya Standard — Oils for cosmetic industry — Methods of test Part 1: terminology. To be replaced by KS EAS 847-1:2017

KS 801-2:2003 Kenya Standard — Oils for cosmetics industry — Method of test Part 2: Determination of moisture content To be replaced by KS EAS 847- 2:2017

KS 801-3:2003 Kenya Standard — Oils for cosmetics industry — Method of test Part 3: Determination of insoluble impurities To be replaced by KS EAS 847- 3:2017

KS 801-4:2003 Kenya Standard — Oils for cosmetic Industry — Method of test Part 4: Determination of acid value and free fatty acids To be replaced by KS EAS 847- 4:2017

KS 801-5:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 5: Determination of unsaponifiable matter To be replaced by KS EAS 847- 5:2017

KS 801-6:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 6: Determination of melting point To be replaced by KS EAS 847-6:2017

KS 801-8:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 8: Determination of specific gravity To be replaced by KS EAS 847-7:2017

KS 801-9:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 9: Titre test To be replaced by KS EAS 847-8:2017

KS 801-10:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 10: Determination of colour To be replaced by KS EAS 847-9:2017

KS 801-13:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 13: Determination of acetyl value and hydroxyl value To be replaced by KS EAS 847-10:2017

KS 801-14:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 14: Determination of allyl isothiocyanate To be replaced by KS EAS 847-11:2017

KS 801-18:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 18: Determination of flash point by pensky -martens closed cap tester To be replaced by KS EAS 847-12:2017

KS 801-19:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 19: Determination of rancidity To be replaced by KS EAS 847-13:2017

KS 801-16:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 16: Determination of polenske value To be replaced by KS EAS 847-14:2017

KS 801-21:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 21: Determination of ash content To be replaced by KS EAS 847-15:2017

KS 581:1998 Kenya Standard — Specification for pure petroleum jelly for human use, To be replaced by KS EAS 126:1999

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KS 801-7:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 7: Determination of refractive index To be replaced by KS ISO 6320: 2000

KS 801-11:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 11: Determination of iodine value (WIJS) To be replaced by KS ISO 3961: 2009

KS 801-12:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 12: Determination of saponification value To be replaced by KS ISO 3657: 2013

KS 801-17:2004 Kenya Standard — Oils for cosmetic industry — Methods of test Part 17: Determination of peroxide value To be replaced by KS ISO 3960:2017

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KS 798:1989 Kenya Standard — Specification for groundnut peanut oil for cosmetic industry. To be replaced by KS EAS 64:2017 Kenya Standard — Groundnut (peanut) oil for cosmetic industry — Specification

Justification: EAS standard has already been adopted as a Kenya Standard.

KS ISO 1202:1999 Kenya Standard — Essential oils — Determination of 1,8-cineole content

Justification: This Standard was adopted in 1999. It was an adoption of the 1981 version of the standard. This standard was unearthed during the recent clean-up of the KEBS catalogue in September 2020. This ISO standard was withdrawn in 2005. 1,8 – Cineole (Eucalyptol) is a natural organic compound that is a colorless liquid. It is a cyclic ether and a monoterpenoid. [1] Eucalyptol is an achiral aromatic component of many plants, including Salvia and Eucalyptus leaves[2]. This parameter is no longer tested in essential oils. This test has not been carried out for several years. Current tests include Acid value, Rancidity, Relative density, Refractive

[1] Wikipedia
[2] www.sciencedirect.com

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index, Miscibility in 85 % ethanol (volume fraction), Peroxide value and Chromatographic profile.

KS ISO 3793:1999 Kenya Standard — Essential oils — Estimation of primary and secondary free alcohols content by acetylation in pyridine

Justification: This Standard was adopted in 1999. It was an adoption of the 1976 version of the standard. This standard was unearthed during the recent clean-up of the KEBS catalogue in September 2020. This ISO standard was last confirmed in 2004 and withdrawn by ISO in 2005. This parameter is no longer tested in essential oils. This test has not been carried out for several years. Current tests include Acid value, Rancidity, Relative density, Refractive index, Miscibility in 85 % ethanol (volume fraction), Peroxide value and Chromatographic profile.

KS ISO 4096:1999 Kenya Standard — Essential oils (containing tertiary alcohols) — Evaluation of free alcohols content by determination of ester value after cold formylation

Justification: This Standard was adopted in 1999. It was an adoption of the 1978 version of the standard. This standard was unearthed during the recent clean-up of the KEBS catalogue in September 2020. This ISO standard was last confirmed in 1999 and withdrawn by ISO in 2003. This parameter is no longer tested in essential oils. This test has not been carried out for several years. Current tests include Acid value, Rancidity, Relative density, Refractive index, Miscibility in 85 % ethanol (volume fraction), Peroxide value and Chromatographic profile.

WITHDRAWALS (REVISION)

KS 1764:2012 Kenya Standard — Deodorants and antiperspirants — Specification. To be replaced by KS 1764:2018 (withdrawn on 4th October 2018)

KS 577:2006 Kenya Standard — Hair Shampoo, synthetic detergent-based

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— Specification. To be replaced by KS 577:2018 (withdrawn on 4th October 2018)

KS 580:2014 Kenya Standard — Cosmetic creams, lotions and gels for skin care — Specification. To be replaced by KS EAS 786: 2013 (withdrawn on 8th April 2020)

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KS 1669: 2001 Kenya Standard — Specification for cosmetic and air freshener aerosols. To be replaced by KS EAS 956: 2020

KS 917: 2000 Kenya Standard — Specification for aftershave preparations Part 1: Lotions. To be replaced by KS EAS 957: 2020

KS 1766: 2006 Kenya Standard — Specification for body oils. To be replaced by KS EAS 959: 2020

KS 1764: 2018 Kenya Standard — Deodorants and antiperspirants — Specification. To be replaced by KS EAS 960: 2020

KS 1769-4: 2005: Glycerine: Part 4: Chemically pure (CP) glycerine: Specification. To be replaced by KS EAS 961: 2020

KS 1473:1998 Kenya Standard — Specification for lipstick. To be replaced by KS EAS 965: 2020

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