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► **B****COUNCIL DIRECTIVE**

**of 27 July 1976**

**on the approximation of the laws of the Member States relating to cosmetic products**

(76/768/EEC)

(OJ L 262, 27.9.1976, p. 169)

Amended by:

		Official Journal		
		No	page	date
► <b><u>M1</u></b>	Council Directive 79/661/EEC of 24 July 1979	L 192	35	31.7.1979
► <b><u>M2</u></b>	Commission Directive 82/147/EEC of 11 February 1982	L 63	26	6.3.1982
► <b><u>M3</u></b>	Council Directive 82/368/EEC of 17 May 1982	L 167	1	15.6.1982
► <b><u>M4</u></b>	Commission Directive 83/191/EEC of 30 March 1983	L 109	25	26.4.1983
► <b><u>M5</u></b>	Commission Directive 83/341/EEC of 29 June 1983	L 188	15	13.7.1983
► <b><u>M6</u></b>	Commission Directive 83/496/EEC of 22 September 1983	L 275	20	8.10.1983
► <b><u>M7</u></b>	Council Directive 83/574/EEC of 26 October 1983	L 332	38	28.11.1983
► <b><u>M8</u></b>	Commission Directive 84/415/EEC of 18 July 1984	L 228	31	25.8.1984
► <b><u>M9</u></b>	Commission Directive 85/391/EEC of 16 July 1985	L 224	40	22.8.1985
► <b><u>M10</u></b>	Commission Directive 86/179/EEC of 28 February 1986	L 138	40	24.5.1986
► <b><u>M11</u></b>	Commission Directive 86/199/EEC of 26 March 1986	L 149	38	3.6.1986
► <b><u>M12</u></b>	Commission Directive 87/137/EEC of 2 February 1987	L 56	20	26.2.1987
► <b><u>M13</u></b>	Commission Directive 88/233/EEC of 2 March 1988	L 105	11	26.4.1988
► <b><u>M14</u></b>	Council Directive 88/667/EEC of 21 December 1988	L 382	46	31.12.1988
► <b><u>M15</u></b>	Commission Directive 89/174/EEC of 21 February 1989	L 64	10	8.3.1989
► <b><u>M16</u></b>	Council Directive 89/679/EEC of 21 December 1989	L 398	25	30.12.1989
► <b><u>M17</u></b>	Commission Directive 90/121/EEC of 20 February 1990	L 71	40	17.3.1990
► <b><u>M18</u></b>	Commission Directive 91/184/EEC of 12 March 1991	L 91	59	12.4.1991
► <b><u>M19</u></b>	Commission Directive 92/8/EEC of 18 February 1992	L 70	23	17.3.1992
► <b><u>M20</u></b>	Commission Directive 92/86/EEC of 21 October 1992	L 325	18	11.11.1992
► <b><u>M21</u></b>	Council Directive 93/35/EEC of 14 June 1993	L 151	32	23.6.1993
► <b><u>M22</u></b>	Commission Directive 93/47/EEC of 22 June 1993	L 203	24	13.8.1993
► <b><u>M23</u></b>	Commission Directive 94/32/EC of 29 June 1994	L 181	31	15.7.1994
► <b><u>M24</u></b>	Commission Directive 95/34/EC of 10 July 1995	L 167	19	18.7.1995
► <b><u>M25</u></b>	Commission Directive 96/41/EC of 25 June 1996	L 198	36	8.8.1996
► <b><u>M26</u></b>	Commission Directive 97/1/EC of 10 January 1997	L 16	85	18.1.1997
► <b><u>M27</u></b>	Commission Directive 97/18/EC of 17 April 1997	L 114	43	1.5.1997
► <b><u>M28</u></b>	Commission Directive 97/45/EC of 14 July 1997	L 196	77	24.7.1997
► <b><u>M29</u></b>	Commission Directive 98/16/EC of 5 March 1998	L 77	44	14.3.1998
► <b><u>M30</u></b>	Commission Directive 98/62/EC of 3 September 1998	L 253	20	15.9.1998
► <b><u>M31</u></b>	Commission Directive 2000/6/EC of 29 February 2000	L 56	42	1.3.2000
► <b><u>M32</u></b>	Commission Directive 2000/11/EC of 10 March 2000	L 65	22	14.3.2000
► <b><u>M33</u></b>	Commission Directive 2000/41/EC of 19 June 2000	L 145	25	20.6.2000
► <b><u>M34</u></b>	Commission Directive 2002/34/EC of 15 April 2002	L 102	19	18.4.2002

► <b><u>M35</u></b>	Commission Directive 2003/1/EC of 6 January 2003	L 5	14	10.1.2003
► <b><u>M36</u></b>	Commission Directive 2003/16/EC of 19 February 2003	L 46	24	20.2.2003
► <b><u>M37</u></b>	Directive 2003/15/EC of the European Parliament and of the Council of 27 February 2003	L 66	26	11.3.2003
► <b><u>M38</u></b>	Commission Directive 2003/80/EC of 5 September 2003	L 224	27	6.9.2003
► <b><u>M39</u></b>	Commission Directive 2003/83/EC of 24 September 2003	L 238	23	25.9.2003
► <b><u>M40</u></b>	Commission Directive 2004/87/EC of 7 September 2004	L 287	4	8.9.2004
► <b><u>M41</u></b>	Commission Directive 2004/88/EC of 7 September 2004	L 287	5	8.9.2004
► <b><u>M42</u></b>	Commission Directive 2004/94/EC of 15 September 2004	L 294	28	17.9.2004
► <b><u>M43</u></b>	Commission Directive 2004/93/EC of 21 September 2004	L 300	13	25.9.2004
► <b><u>M44</u></b>	Commission Directive 2005/9/EC of 28 January 2005	L 27	46	29.1.2005
► <b><u>M45</u></b>	Commission Directive 2005/42/EC of 20 June 2005	L 158	17	21.6.2005
► <b><u>M46</u></b>	Commission Directive 2005/52/EC of 9 September 2005	L 234	9	10.9.2005
► <b><u>M47</u></b>	Commission Directive 2005/80/EC of 21 November 2005	L 303	32	22.11.2005
► <b><u>M48</u></b>	Commission Directive 2006/65/EC of 19 July 2006	L 198	11	20.7.2006
► <b><u>M49</u></b>	Commission Directive 2006/78/EC of 29 September 2006	L 271	56	30.9.2006
► <b><u>M50</u></b>	Commission Directive 2007/1/EC of 29 January 2007	L 25	9	1.2.2007
► <b><u>M51</u></b>	Commission Directive 2007/17/EC of 22 March 2007	L 82	27	23.3.2007
► <b><u>M52</u></b>	Commission Directive 2007/22/EC of 17 April 2007	L 101	11	18.4.2007
► <b><u>M53</u></b>	Commission Directive 2007/53/EC of 29 August 2007	L 226	19	30.8.2007
► <b><u>M54</u></b>	Commission Directive 2007/54/EC of 29 August 2007	L 226	21	30.8.2007
► <b><u>M55</u></b>	Commission Directive 2007/67/EC of 22 November 2007	L 305	22	23.11.2007
► <b><u>M56</u></b>	Commission Directive 2008/14/EC of 15 February 2008	L 42	43	16.2.2008
► <b><u>M57</u></b>	Commission Directive 2008/42/EC of 3 April 2008	L 93	13	4.4.2008
► <b><u>M58</u></b>	Commission Directive 2008/88/EC of 23 September 2008	L 256	12	24.9.2008
► <b><u>M59</u></b>	Commission Directive 2008/123/EC of 18 December 2008	L 340	71	19.12.2008
► <b><u>M60</u></b>	Directive 2008/112/EC of the European Parliament and of the Council of 16 December 2008	L 345	68	23.12.2008

Amended by:

► <b><u>A1</u></b>	Act of Accession of Greece	L 291	17	19.11.1979
► <b><u>A2</u></b>	Act of Accession of Spain and Portugal	L 302	23	15.11.1985

Corrected by:

► <b><u>C1</u></b>	Corrigendum, OJ L 255, 25.9.1984, p. 28 (84/415/EEC)
► <b><u>C2</u></b>	Corrigendum, OJ L 157, 24.6.1988, p. 38 (88/233/EEC)
► <b><u>C3</u></b>	Corrigendum, OJ L 199, 13.7.1989, p. 23 (89/174/EEC)
► <b><u>C4</u></b>	Corrigendum, OJ L 273, 25.10.1994, p. 38 (94/32/EC)
► <b><u>C5</u></b>	Corrigendum, OJ L 341, 17.12.2002, p. 71 (2002/34/EC)
► <b><u>C6</u></b>	Corrigendum, OJ L 151, 19.6.2003, p. 44 (2002/34/EC)
► <b><u>C7</u></b>	Corrigendum, OJ L 58, 26.2.2004, p. 28 (2003/83/EC)
► <b><u>C8</u></b>	Corrigendum, OJ L 97, 15.4.2005, p. 63 (2004/93/EC)
► <b><u>C9</u></b>	Corrigendum, OJ L 258, 4.10.2007, p. 44 (2007/54/EC)
► <b><u>C10</u></b>	Corrigendum, OJ L 136, 24.5.2008, p. 52 (2008/42/EC)



**COUNCIL DIRECTIVE**

**of 27 July 1976**

**on the approximation of the laws of the Member States relating to  
cosmetic products**

(76/768/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Parliament <sup>(1)</sup>,

Having regard to the opinion of the Economic and Social Committee <sup>(2)</sup>,

Whereas the provisions laid down by law, regulation or administrative action in force in the Member States define the composition characteristics to which cosmetic products must conform and prescribe rules for their labelling and for their packaging; whereas these provisions differ from one Member State to another;

Whereas the differences between these laws oblige Community cosmetic producers to vary their production according to the Member State for which the products are intended; whereas, consequently, they hinder trade in these products and, as a result, have a direct effect on the establishment and functioning of the common market;

Whereas the main objective of these laws is the safeguarding of public health and whereas, as a result, the pursuit of the same objective must inspire Community legislation in this sector; whereas, however, this objective must be attained by means which also take account of economic and technological requirements;

Whereas it is necessary to determine at Community level the regulations which must be observed as regards the composition, labelling and packaging of cosmetic products;

Whereas this Directive relates only to cosmetic products and not to pharmaceutical specialities and medicinal products; whereas for this purpose it is necessary to define the scope of the Directive by delimiting the field of cosmetics from that of pharmaceuticals; whereas this delimitation follows in particular from the detailed definition of cosmetic products, which refers both to their areas of application and to the purposes of their use; whereas this Directive is not applicable to the products that fall under the definition of cosmetic product but are exclusively intended to protect from disease; whereas, moreover, it is advisable to specify that certain products come under this definition, whilst products containing substances or ►**M60** mixtures ◀ intended to be ingested, inhaled, injected or implanted in the human body do not come under the field of cosmetics;

Whereas in the present state of research, it is advisable to exclude cosmetic products containing one of the substances listed in Annex V from the scope of this Directive;

Whereas cosmetic products must not be harmful under normal or foreseeable conditions of use; whereas in particular it is necessary to take into account the possibility of danger to zones of the body that are contiguous to the area of application;

Whereas, in particular, the determination of the methods of analysis together with possible modifications or additions which may have to be made to them on the basis of the results of scientific and technical

<sup>(1)</sup> OJ No C 40, 8.4.1974, p. 71.

<sup>(2)</sup> OJ No C 60, 26.7.1973, p. 16.

**▼B**

research, are implementing measures of a technical nature; whereas it is advisable to entrust their adoption to the Commission, subject to certain conditions specified in this Directive, for the purpose of simplifying and accelerating the procedure;

Whereas technical progress necessitates rapid adaptation of the technical provisions defined in this Directive and in subsequent Directives in this field; whereas it is advisable, in order to facilitate implementation of the measures necessary for this purpose, to provide for a procedure establishing close cooperation between the Member States and the Commission within the Committee for adaptation to technical progress of Directives aimed at the removal of technical obstacles to trade in the cosmetic products sector;

Whereas it is necessary, on the basis of scientific and technical research, to draw up proposals for lists of authorized substances which could include antioxidants, hair dyes, preservatives and ultraviolet filters, taking into account in particular the problem of sensitization;

Whereas it could happen that although conforming to the provisions of this Directive and its Annexes, cosmetic products placed on the market might endanger public health; whereas it is therefore advisable to provide for a procedure intended to remove this danger,

HAS ADOPTED THIS DIRECTIVE:

*Article 1***▼M21**

1. A 'cosmetic product' shall mean any substance or ►**M60** mixture ◀ intended to be placed in contact with the various external parts of the human body (epidermis, hair system, nails, lips and external genital organs) or with the teeth and the mucous membranes of the oral cavity with a view exclusively or mainly to cleaning them, perfuming them, changing their appearance and/or correcting body odours and/or protecting them or keeping them in good condition.

**▼B**

2. The products to be considered as cosmetic products within the meaning of this definition are listed in Annex I.

**▼M14**

3. Cosmetic products containing one of the substances listed in Annex V shall be excluded from the scope of this Directive. Member States may take such measures as they deem necessary with regard to those products.

**▼M21***Article 2*

A cosmetic product put on the market within the Community must not cause damage to human health when applied under normal or reasonably foreseeable conditions of use, taking account, in particular, of the product's presentation, its labelling, any instructions for its use and disposal as well as any other indication or information provided by the manufacturer or his authorized agent or by any other person responsible for placing the product on the Community market.

The provision of such warnings shall not, in any event, exempt any person from compliance with the other requirements laid down in this Directive.

**▼ B***Article 3*

Member States shall take all necessary measures to ensure that only cosmetic products which conform to the provisions of this Directive and its Annexes may be put on the market.

**▼ M3***Article 4*

1. Without prejudice to their general obligations deriving from Article 2, Member States shall prohibit the marketing of cosmetic products containing:

- (a) substances listed in Annex II;
- (b) substances listed in the first part of Annex III, beyond the limits and outside the conditions laid down;

**▼ M14**

- (c) colouring agents other than those listed in Annex IV, Part 1, with the exception of cosmetic products containing colouring agents intended solely to colour hair;
- (d) colouring agents listed in Annex IV, Part 1, used outside the conditions laid down, with the exception of cosmetic products containing colouring agents intended solely to colour hair;

**▼ M3**

- (e) preservatives other than those listed in Annex VI, Part 1;
- (f) preservatives listed in Annex VI, Part 1, beyond the limits and outside the conditions laid down, unless other concentrations are used for specific purposes apparent from the presentation of the product;

**▼ M7**

- (g) UV filters other than those listed in Part 1 of Annex VII;
- (h) UV filters listed in Part 1 of Annex VII, beyond the limits and outside the conditions laid down therein.

**▼ M37****▼ M3**

2. The presence of traces of the substances listed in Annex II shall be allowed provided that such presence is technically unavoidable in good manufacturing practice and that it conforms with Article 2.

**▼ M37***Article 4a*

1. Without prejudice to the general obligations deriving from Article 2, Member States shall prohibit:

- (a) the marketing of cosmetic products where the final formulation, in order to meet the requirements of this Directive, has been the subject of animal testing using a method other than an alternative method after such alternative method has been validated and adopted at Community level with due regard to the development of validation within the OECD;
- (b) the marketing of cosmetic products containing ingredients or combinations of ingredients which, in order to meet the requirements of this Directive, have been the subject of animal testing using a method other than an alternative method after such alternative method has been validated and adopted at Community level with due regard to the development of validation within the OECD;
- (c) the performance on their territory of animal testing of finished cosmetic products in order to meet the requirements of this Directive;

**▼M60**

- (d) the performance on their territory of animal testing of ingredients or combinations of ingredients in order to meet the requirements of this Directive, no later than the date on which such tests are required to be replaced by one or more validated methods listed in Commission Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) <sup>(1)</sup> or in Annex IX to this Directive.

**▼M37**

No later than 11 September 2004 the Commission shall, in accordance with the procedure referred to in Article 10(2) and after consultation of the Scientific Committee on Cosmetic Products and Non-Food Products intended for consumers (SCCNFP) establish the contents of Annex IX.

2. The Commission, after consultation of the SCCNFP and of the European Centre for the Validation of Alternative Methods (ECVAM) and with due regard to the development of validation within the OECD, shall establish timetables for the implementation of the provisions under paragraph 1(a), (b) and (d), including deadlines for the phasing-out of the various tests. The timetables shall be made available to the public not later than 11 September 2004 and be sent to the European Parliament and the Council. The period for implementation shall be limited to a maximum of six years after the entry into force of Directive 2003/15/EC in relation to paragraph 1(a), (b) and (d).

2.1. In relation to the tests concerning repeated-dose toxicity, reproductive toxicity and toxicokinetics, for which there are no alternatives yet under consideration, the period for implementation of paragraph 1(a) and (b) shall be limited to a maximum of 10 years after the entry into force of Directive 2003/15/EC.

2.2. The Commission shall study possible technical difficulties in complying with the ban in relation to tests, in particular those concerning repeated-dose toxicity, reproductive toxicity and toxicokinetics, for which there are no alternatives yet under consideration. Information about the provisional and final results of these studies should form part of the yearly reports presented pursuant to Article 9.

On the basis of these annual reports, the timetables established in accordance with paragraph 2 may be adapted within a maximum time limit of six years as referred to in paragraph 2 or 10 years as referred to in paragraph 2.1 and after consultation of the entities referred to in paragraph 2.

2.3. The Commission shall study progress and compliance with the deadlines as well as possible technical difficulties in complying with the ban. Information about the provisional and final results of the Commission studies should form part of the yearly reports presented pursuant to Article 9. If these studies conclude, at the latest two years prior to the end of the maximum period referred to in paragraph 2.1, that for technical reasons one or more tests referred to in paragraph 2.1 will not be developed and validated before the expiry of the period referred to in paragraph 2.1 it shall inform the European Parliament and the Council and shall put forward a legislative proposal in accordance with Article 251 of the Treaty.

2.4. In exceptional circumstances where serious concerns arise as regards the safety of an existing cosmetic ingredient a Member State may request the Commission to grant a derogation from paragraph 1. The request shall contain an evaluation of the situation and indicate the measures necessary. On this basis, the Commission may, after consultation of the SCCNFP and by means of a reasoned decision, authorise the derogation in accordance with the procedure referred to in Article 10(2). This

<sup>(1)</sup> OJ L 142, 31.5.2008, p. 1.;

**▼M37**

authorisation shall lay down the conditions associated with this derogation in terms of specific objectives, duration and reporting of the results.

A derogation shall only be granted if:

- (a) the ingredient is in wide use and cannot be replaced by another ingredient able to perform a similar function;
- (b) the specific human health problem is substantiated and the need to conduct animal tests is justified and is supported by a detailed research Protocol proposed as the basis for the evaluation.

The decision on the authorisation, the conditions associated with it and the final result achieved shall be part of the annual report to be presented by the Commission in accordance with Article 9.

3. For the purposes of this Article:

- (a) ‘finished cosmetic product’ means the cosmetic product in its final formulation, as placed on the market and made available to the final consumer, or its prototype.
- (b) ‘prototype’ means a first model or design that has not been produced in batches, and from which the finished cosmetic product is copied or finally developed.

*Article 4b*

The use in cosmetic products of substances classified as carcinogenic, mutagenic or toxic for reproduction, of category 1, 2 and 3, under Annex I to Directive 67/548/EEC shall be prohibited. To that end the Commission shall adopt the necessary measures in accordance with the procedure referred to in Article 10(2). A substance classified in category 3 may be used in cosmetics if the substance has been evaluated by the SCCNFP and found acceptable for use in cosmetic products.

**▼M14***Article 5*

Member States shall allow the marketing of cosmetic products containing:

- (a) the substances listed in Annex III, Part 2, within the limits and under the conditions laid down, up to the dates in column (g) of that Annex;
- (b) the colouring agents listed in Annex IV, Part 2, within the limits and under the conditions laid down, until the admission dates given in that Annex;
- (c) the preservatives listed in Annex VI, Part 2, within the limits and under the condition laid down, until the dates given in column (f) of that Annex. However, some of these substances may be used in other concentrations for specific purposes apparent from the presentation of the product;
- (d) the UV filters listed in Part 2 of Annex VII, within the limits and under the conditions laid down, until the dates given in column (f) of that Annex.

At these dates, these substances, colouring agents, preservatives and UV filters shall be:

- definitively allowed, or
- definitively prohibited (Annex II), or
- maintained for a given period specified in Part 2 of Annexes III, IV, VI and VII, or
- deleted from all the Annexes, on the basis of available scientific information or because they are no longer used.

▼ **M21***Article 5a*

1. No later than 14 December 1994 the Commission shall, under the procedure laid down in Article 10, compile an inventory of ingredients employed in cosmetic products, on the basis in particular of information supplied by the industry concerned.

For the purposes of this Article, ‘cosmetic ingredient’ shall mean any chemical substance or ► **M60** mixture ◀ of synthetic or natural origin, except for perfume and aromatic compositions, used in the composition of cosmetic products.

The inventory shall be divided into two sections: one concerning perfume and aromatic raw materials and the second concerning other substances.

2. The inventory shall contain information on:

- the identity of each ingredient, in particular its chemical name, the CTFA name, the European Pharmacopoeia name, the international non-proprietary names recommended by the World Health Organization, the EINECS, IUPAC, CAS and colour index numbers, and the common name referred to in Article 7 (2),
- the usual function(s) of the ingredient in the final product,
- where appropriate, restrictions and conditions of use and warnings which must be printed on the label by reference to the Annexes.

3. The Commission shall publish the inventory and shall update it periodically under the procedure provided for in Article 10. The inventory shall be indicative and shall not constitute a list of the substances authorized for use in cosmetic products.

▼ **M14***Article 6*▼ **M21**

1. Member States shall take all measures necessary to ensure that cosmetic products may be marketed only if the container and packaging bear the following information in indelible, easily legible and visible lettering; the information mentioned in point (g) may, however, be indicated on the packaging alone:

▼ **M14**

- (a) the name or style and the address or registered office of the manufacturer or the person responsible for marketing the cosmetic product who is established within the Community. Such information may be abbreviated in so far as the abbreviation makes it generally possible to identify the undertaking. Member States may require that the country of origin be specified for goods manufactured outside the Community;
- (b) the nominal content at the time of packaging, given by weight or by volume, except in the case of packaging containing less than five grams or five millilitres, free samples and single-application packs; for pre-packages normally sold as a number of items, for which details of weight or volume are not significant, the content need not be given provided the number of items appears on the packaging. This information need not be given if the number of items is easy to see from the outside or if the product is normally only sold individually;

▼ **M37**

- (c) the date of minimum durability shall be indicated by the words: ‘best used before the end of’ followed by either:
  - the date itself, or
  - details of where it appears on the packaging.



**▼ M37**

The date shall be clearly expressed and shall consist of either the month and year or the day, month and year in that order. If necessary, this information shall be supplemented by an indication of the conditions which must be satisfied to guarantee the stated durability.

Indication of the date of durability shall not be mandatory for cosmetic products with a minimum durability of more than 30 months. For such products, there shall be an indication of the period of time after opening for which the product can be used without any harm to the consumer. This information shall be indicated by the symbol given in Annex VIIIa followed by the period (in months and/or years);

**▼ M21**

- (d) particular precautions to be observed in use, especially those listed in the column 'Conditions of use and warnings which must be printed on the label' in Annexes III, IV, VI and VII, which must appear on the container and packaging, as well as any special precautionary information on cosmetic products for professional use, in particular in hairdressing. Where this is impossible for practical reasons, an enclosed leaflet, label, tape or card must contain that information to which the consumer is referred either by abbreviated information or the symbol given in Annex VIII, which must appear on the container and the packaging;

**▼ M14**

- (e) the batch number of manufacture or the reference for identifying the goods. Where this is impossible for practical reasons because the cosmetic products are too small, such information need appear only on the packaging;

**▼ M21**

- (f) the function of the product, unless it is clear from the presentation of the product;

**▼ M37**

- (g) a list of ingredients in descending order of weight at the time they are added. That list shall be preceded by the word 'ingredients'. Where that is impossible for practical reasons, an enclosed leaflet, label, tape or card must contain the ingredients to which the consumer is referred either by abbreviated information or the symbol given in Annex VIII, which must appear on the packaging.

The following shall not, however, be regarded as ingredients:

- impurities in the raw materials used,
- subsidiary technical materials used in the preparation but not present in the final product,
- materials used in strictly necessary quantities as solvents or as carriers for perfume and aromatic compositions.

Perfume and aromatic compositions and their raw materials shall be referred to by the word 'perfume' or 'aroma'. However, the presence of substances, the mention of which is required under the column 'other limitations and requirements' in Annex III, shall be indicated in the list irrespective of their function in the product.

Ingredients in concentrations of less than 1 % may be listed in any order after those in concentrations of more than 1 %.

Colouring agents may be listed in any order after the other ingredients, in accordance with the colour index number or denomination adopted in Annex IV. For decorative cosmetic products marketed in several colour shades, all colouring agents used in the range may be listed, provided that the words 'may contain' or the symbol '+/-' are added.

**▼ M37**

An ingredient must be identified by the common name referred to in Article 7(2) or, failing that, by one of the names referred to in Article 5a(2), first indent.

In accordance with the procedure referred to in Article 10(2), the Commission may adapt the criteria and conditions set out in Commission Directive 95/17/EC of 19 June 1995 laying down detailed rules for the application of Council Directive 76/768/EEC as regards the non-inclusion of one or more ingredients on the list used for the labelling of cosmetic products <sup>(1)</sup> under which a manufacturer may, for reasons of trade secrecy, apply not to include one or more ingredients on the abovementioned list.

**▼ M21**

Where it is impracticable, for reasons of size or shape, for the particulars referred to in points (d) and (g) to appear in an enclosed leaflet, those particulars shall appear on a label, tape or card which is enclosed or attached to the cosmetic product.

In the case of soap, bath balls and other small products where it is impracticable, for reasons of size or shape, for the particulars referred to in point (g) to appear on a label, tag, tape or card or in an enclosed leaflet, those particulars shall appear on a notice in immediate proximity to the container in which the cosmetic product is exposed for sale.

**▼ M14**

2. For cosmetic products that are not pre-packaged, are packaged at the point of sale at the purchaser's request, or are pre-packaged for immediate sale, Member States shall adopt detailed rules for indication of the particulars referred to in paragraph 1.

3. Member States shall take all measures necessary to ensure that, in the labelling, putting up for sale and advertising of cosmetic products, text, names, trade marks, pictures and figurative or other signs are not used to imply that these products have characteristics which they do not have. ► M37 ————— ◀

**▼ M37**

Furthermore, the manufacturer or the person responsible for placing the product on the Community market may take advantage, on the product packaging or in any document, notice, label, ring or collar accompanying or referring to the product, of the fact that no animal tests have been carried out only if the manufacturer and his suppliers have not carried out or commissioned any animal tests on the finished product, or its prototype, or any of the ingredients contained in it, or used any ingredients that have been tested on animals by others for the purpose of developing new cosmetic products. Guidelines shall be adopted in accordance with the procedure referred to in Article 10(2) and published in the *Official Journal of the European Union*. The European Parliament shall receive copies of the draft measures submitted to the Committee.

**▼ B***Article 7*

1. Member States may not, for reasons related to the requirements laid down in this Directive and the Annexes thereto, refuse, prohibit or restrict the marketing of any cosmetic products which comply with the requirements of this Directive and the Annexes thereto.

**▼ M21**

2. They may, however, require that the particulars provided for in Article 6 (1) (b), (c), (d) and (f) be expressed at least in their own national or official language or languages; they may also require that the particulars provided for in Article 6 (1) (g) be expressed in a

<sup>(1)</sup> OJ L 140, 23.6.1995, p. 26.

**▼ M21**

language easily understood by the consumer. To that end, the Commission shall adopt a common ingredients nomenclature in accordance with the Article 10 procedure.

3. Furthermore, a Member State may, for purposes of prompt and appropriate medical treatment in the event of difficulties, require that appropriate and adequate information on substances used in cosmetic products be made available to the competent authority, which shall ensure that that information is used only for the purposes of such treatment.

Each Member State shall designate a competent authority and send details thereof to the Commission, which shall publish that information in the *Official Journal of the European Communities*.

*Article 7a*

1. The manufacturer or his agent or the person to whose order a cosmetic product is manufactured or the person responsible for placing an imported cosmetic product on the Community market shall for control purposes keep the following information readily accessible to the competent authorities of the Member State concerned at the address specified on the label in accordance with Article 6 (1) (a):

- (a) the qualitative and quantitative composition of the product; in the case of perfume compositions and perfumes, the name and code number of the composition and the identity of the supplier;
- (b) 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;
- (c) the method of manufacture complying with the good manufacturing practice laid down by Community law or, failing that, laid down by the law of the Member State concerned; the person responsible for manufacture or first importation into the Community must possess an appropriate level of professional qualification or experience in accordance with the legislation and practice of the Member State which is the place of manufacture or first importation;

**▼ M37**

- (d) 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 ingredients, their chemical structure and their level of exposure. It shall take particular account of the specific exposure characteristics of the areas on which the product will be applied or of the population for which it is intended. There shall be *inter alia* a specific assessment for cosmetic products intended for use on children under the age of three and for cosmetic products intended exclusively for use in external intimate hygiene.

Should the same product be manufactured at several places within Community territory, the manufacturer may choose a single place of manufacture where that information will be available. In this connection, and when so requested for monitoring purposes, it shall be obliged to indicate the place so chosen to the monitoring authority or authorities concerned. In this case this information shall be easily accessible;

**▼ M21**

- (e) the name and address of the qualified person or persons responsible for the assessment referred to in (d). That person must hold a diploma as defined in Article 1 of Directive 89/48/EEC in the field of pharmacy, toxicology, dermatology, medicine or a similar discipline;
- (f) existing data on undesirable effects on human health resulting from use of the cosmetic product;

**▼ M21**

- (g) proof of the effect claimed for the cosmetic product, where justified by the nature of the effect or product;

**▼ M37**

- (h) data on any animal testing performed by the manufacturer, his agents or suppliers, relating to the development or safety evaluation of the product or its ingredients, including any animal testing performed to meet the legislative or regulatory requirements of non-member countries.

Without prejudice to the protection, in particular, of commercial secrecy and of intellectual property rights, Member States shall ensure that the information required under (a) and (f) shall be made easily accessible to the public by any appropriate means, including electronic means. The quantitative information required under (a) to be made publicly accessible shall be limited to dangerous substances covered by Directive 67/548/EEC.

**▼ M21**

2. The assessment of the safety for human health referred to in paragraph 1 (d) shall be carried out in accordance with the principle of good laboratory practice laid down in Council Directive 87/18/EEC of 18 December 1986 on the harmonization of laws, regulations and administrative provisions relating to the application of the principles of good laboratory practice and the verification of their application for tests on chemical substances <sup>(1)</sup>.

3. The information referred to in paragraph 1 must be available in the national language or languages of the Member State concerned, or in a language readily understood by the competent authorities.

4. The manufacturer or his agent, or the person to whose order a cosmetic product is manufactured, or the person responsible for placing imported cosmetic products on the Community market, shall notify the competent authority of the Member State of the place of manufacture or of the initial importation of the address of the place of manufacture or of initial importation into the Community of the cosmetic products before the latter are placed on the Community market.

5. Member States shall designate the competent authorities referred to in paragraphs 1 and 4 and shall send details thereof to the Commission, which shall publish that information in the *Official Journal of the European Communities*.

The Member States shall ensure that the abovementioned authorities continue to cooperate in areas where such cooperation is necessary to the smooth application of this Directive.

**▼ M3***Article 8*

1. In accordance with the procedure laid down in Article 10 the following shall be determined:

- the methods of analysis necessary for checking the composition of cosmetic products,
- the criteria of microbiological and chemical purity for cosmetic products and methods for checking compliance with those criteria.

**▼ M21**

2. The common nomenclature of ingredients used in cosmetic products and, after consultation of the ► **M37** Scientific Committee for Cosmetic Products and Non-Food Products intended for Consumers ◀, the amendments necessary for the adaptation to technical progress of the Annexes shall be adopted in accordance with the same procedure, as appropriate.

<sup>(1)</sup> OJ No L 15, 17.1.1987, p. 29.

▼ M3*Article 8a*

1. Notwithstanding Article 4 and without prejudice to Article 8 (2), a Member State may authorize the use within its territory of other substances not contained in the lists of substances allowed, for certain cosmetic products specified in its national authorization, subject to the following conditions:
  - (a) the authorization must be limited to a maximum period of three years;
  - (b) the Member State must carry out an official check on cosmetic products manufactured from the substance or ► M60 mixture ◀ use of which it has authorized;
  - (c) cosmetic products thus manufactured must bear a distinctive indication which will be defined in the authorization.
2. The Member States shall forward to the Commission and to the other Member States the text of any authorization decision taken pursuant to paragraph 1 within two months of the date on which it came into effect.
3. Before expiry of the three-year period provided for in paragraph 1, the Member State may submit to the Commission a request for the inclusion in a list of permitted substances of the substance given national authorization in accordance with paragraph 1. At the same time, it shall supply supporting documents setting out the grounds on which it deems such inclusion justified and shall indicate the uses for which the substance or ► M60 mixture ◀ is intended. Within 18 months of submission of the request, a decision shall be taken on the basis of the latest scientific and technical knowledge, after consultation, at the initiative of the Commission or of a Member State, of the ► M37 Scientific Committee for Cosmetic Products and Non-Food Products intended for Consumers ◀ and in accordance with the procedure laid down in Article 10 as to whether the substance in question may be included in a list of permitted substances or whether the national authorization should be revoked. Notwithstanding paragraph 1 (a), the national authorization shall remain in force until a decision is taken on the request for inclusion in the list.

▼ M37*Article 9*

Every year the Commission shall present a report to the European Parliament and the Council on:

- (a) progress made in the development, validation and legal acceptance of alternative methods. The report shall contain precise data on the number and type of experiments relating to cosmetic products carried out on animals. The Member States shall be obliged to collect that information in addition to collecting statistics as laid down by Council Directive 86/609/EEC of 24 November 1986 on the approximation of laws, regulations and administrative provisions of the Member States regarding the protection of animals used for experimental and other scientific purposes <sup>(1)</sup>. The Commission shall in particular ensure the development, validation and legal acceptance of alternative test methods which do not use live animals;
- (b) progress made by the Commission in its efforts to obtain acceptance by the OECD of alternative methods validated at Community level and recognition by non-member countries of the results of the safety tests carried out in the Community using alternative methods, in particular within the framework of cooperation agreements between the Community and these countries;
- (c) the manner in which the specific needs of small and medium-sized enterprises have been taken into account.

<sup>(1)</sup> OJ L 358, 18.12.1986, p. 1.

**▼M37***Article 10*

1. The Commission shall be assisted by the Standing Committee on Cosmetic Products.
  2. Where reference is made to this paragraph, Articles 5 and 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.
- The period laid down in Article 5(6) of Decision 1999/468/EC shall be set at three months.
3. The Committee shall adopt its rules of procedure.

**▼B***Article 11*

Without prejudice to Article 5 and not later than one year after expiry of the period laid down in Article 14 (1) for implementation of this Directive by the Member States, the Commission shall, on the basis of the results of the latest scientific and technical research, submit to the Council appropriate proposals establishing lists of permitted substances.

*Article 12*

1. If a Member State notes, on the basis of a substantiated justification, that a cosmetic product, although complying with the requirements of the Directive, represents a hazard to health, it may provisionally prohibit the marketing of that product in its territory or subject it to special conditions. It shall immediately inform the other Member States and the Commission thereof, stating the grounds for its decision.

**▼M14**

2. The Commission shall as soon as possible consult the Member States concerned, following which it shall deliver its opinion without delay and take the appropriate steps.

**▼B**

3. If the Commission is of the opinion that technical adaptations to the Directive are necessary, such adaptations shall be adopted by either the Commission or the Council in accordance with the procedure laid down in Article 10. In that event, the Member State which has adopted safeguard measures may maintain them until entry into force of the adaptations.

*Article 13*

Precise reasons shall be stated for any individual measures placing a restriction or ban on the marketing of cosmetic products taken pursuant to this Directive. It shall be notified to the party concerned together with particulars of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

*Article 14*

1. Member States shall bring into force the provisions needed in order to comply with this Directive within 18 months of its notification and shall forthwith inform the Commission thereof.
2. Member States may, however, for a period of 36 months from notification of this Directive, authorize the marketing in their territory of cosmetic products which do not conform to the requirements of the Directive.

**▼B**

3. Member States shall ensure that the texts of such provisions of national law as they adopt in the field governed by this Directive are communicated to the Commission.

*Article 15*

This Directive is addressed to the Member States.

**▼B***ANNEX I***ILLUSTRATIVE LIST BY CATEGORY OF COSMETIC PRODUCTS**

- Creams, emulsions, lotions, gels and oils for the skin (hands, face, feet, etc.).
- Face masks (with the exception of peeling products).
- Tinted bases (liquids, pastes, powders).
- Make-up powders, after-bath powders, hygienic powders, etc.
- Toilet soaps, deodorant soaps, etc.
- Perfumes, toilet waters and eau de Cologne.
- Bath and shower ► **M60** mixtures ◀ (salts, foams, oils, gels, etc.).
- Depilatories.
- Deodorants and anti-perspirants.
- Hair care products:
  - hair tints and bleaches,
  - products for waving, straightening and fixing,
  - setting products,
  - cleansing products (lotions, powders, shampoos),
  - conditioning products (lotions, creams, oils),
  - hairdressing products (lotions, lacquers, brilliantines).
- Shaving products (creams, foams, lotions, etc.).
- Products for making up and removing make-up from the face and the eyes.
- Products intended for application to the lips.
- Products for care of the teeth and the mouth.
- Products for nail care and make-up.
- Products for external intimate hygiene.
- Sunbathing products.
- Products for tanning without sun.
- Skin-whitening products.
- Anti-wrinkle products.



**▼B**

## ANNEX II

**▼M3**

## LIST OF SUBSTANCES WHICH MUST NOT FORM PART OF THE COMPOSITION OF COSMETIC PRODUCTS

**▼B**

1. N-5-Chlorobenzoxazol-2-ylacetamide
2. ►**M3** 2-Acetoxyethyltrimethylammonium hydroxide (acetylcholine) and its salts ◀
3. Deanol aceglumate (\*)
4. Spironolactone (\*)
5. ►**M3** [4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid and its salts ◀
6. Methotrexate (\*)
7. Aminocaproic acid (\*) and its salts
8. Cinchophen (\*), its salts, derivatives and salts of these derivatives
9. Thyropropic acid (\*) and its salts
10. Trichloroacetic acid
11. *Aconitum napellus* L. (leaves, roots and galenical ►**M60** mixtures ◀)
12. Aconitine (principal alkaloid of *Aconitum napellus* L.) and its salts
13. *Adonis vernalis* L. and its ►**M60** mixtures ◀
14. Epinephrine (\*)
15. *Rauwolfia serpentina* alkaloids and their salts
16. Alkyne alcohols, their esters, ethers and salts
17. Isoprenaline (\*)
18. Allyl isothiocyanate
19. Alloclamide (\*) and its salts
20. Nalorphine (\*), its salts and ethers
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
22. Aniline, its salts and its halogenated and sulphonated derivatives
23. Betoxycaïne (\*) and its salts
24. Zoxazolamine (\*)
25. Procainamide (\*), its salts and derivatives
26. Benzidine
27. Tuaminoheptane (\*), its isomers and salts
28. Octodrine (\*) and its salts
29. ►**M3** 2-Amino-1,2-bis(4-methoxyphenyl)ethanol and its salts ◀
30. 1,3-dimethylpentylamine and its salts
31. 4-Aminosalicylic acid and its salts
32. Toluidines, their isomers, salts and halogenated and sulphonated derivatives
33. Xylidines, their isomers, salts and halogenated and sulphonated derivatives
34. ►**M3** Imperatorin (9-(3-methoxybut-2-enyloxy)furo[3,2-g]chromen-7-one) ◀

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ B**

35. *Ammi majus* and its galenical ► **M60** mixtures ◀
36. 2,3-Dichloro-2-methylbutane
37. Substances with androgenic effect
38. Anthracene oil
39. Antibiotics ► **M17** ————— ◀
40. Antimony and its compounds
41. *Apocynum cannabinum L.* and its ► **M60** mixtures ◀
42. ► **M3** Apomorphine (R 5,6,6a, 7-tetrahydro-6-methyl-4*H*-dibenzo [de,g] quinoline-10,11-diol) and its salts ◀
43. Arsenic and its compounds
44. *Atropa belladonna L.* and its ► **M60** mixtures ◀
45. Atropine, its salts and derivatives

**▼ M4**

46. Barium salts, with the exception of barium sulphate, barium sulphide under the conditions laid down in Annex III, Part 1, and lakes, salts and pigments prepared from the colouring agents listed with the reference (5) in Annex III, Part 2 and Annex IV, Part 2.

**▼ B**

47. Benzene
48. ► **M3** Benzimidazol-2(3*H*)-one ◀
49. ► **M3** Benzazepines and benzodiazepines ◀
50. ► **M3** 1-Dimethylaminomethyl-1-methylpropyl benzoate (amylocaine) and its salts ◀
51. ► **M3** 2,2,6-Trimethyl-4-piperidyl benzoate (benzamine) and its salts ◀
52. ► **M3** Isocarboxazid (\*) ◀
53. Bendroflumethiazide(\*) and its derivatives
54. Beryllium and its compounds
55. Bromine, elemental
56. Bretylium tosilate (\*)
57. Carbromal (\*)
58. Bromisoval (\*)
59. Brompheniramine (\*) and its salts
60. Benzilium bromide (\*)
61. Tetrylammonium bromide (\*)
62. Brucine
63. Tetracaine (\*) and its salts
64. Mofebutazone (\*)
65. Tolbutamide (\*)
66. Carbutamide (\*)
67. Phenylbutazone (\*)
68. Cadmium and its compounds
69. Cantharides, *Cantharis vesicatoria*
70. (1*R*,2*S*)-Hexahydro-1,2-dimethyl-3,6-epoxyphthalic anhydride (cantharidin)
71. Phenprobamate (\*)

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ B**

72. ► **M3** Nitroderivatives of carbazole ◀
73. Carbon disulphide
74. Catalase
75. Cephaeline and its salts
76. *Chenopodium ambrosioides* (essential oil)
77. 2,2,2-Trichloroethane-1,1-diol
78. Chlorine
79. Chlorpropamide (\*)
80. ► **M3** Diphenoxylate (\*) hydrochloride ◀
81. 4-Phenylazophenylene-1,3-diamine citrate hydrochloride (chrysoidine citrate hydrochloride)
82. Chlorzoxazone (\*)
83. 2-Chloro-6-methylpyrimidin-4-yl dimethylamine (crimidine-ISO)
84. Chlorprothixene (\*) and its salts
85. Clofenamide (\*)
86. ► **M3** *N,N*-bis(2-chloroethyl)methylamine *N*-oxide and its salts ◀
87. Chlormethine (\*) and its salts
88. Cyclophosphamide (\*) and its salts
89. Mannomustine (\*) and its salts
90. Butanilicaine (\*) and its salts
91. ► **M3** Chlormezanone (\*) ◀
92. Triparanol (\*)
93. 2-[2(4-Chlorophenyl)-2-phenylacetyl] indane-1,3-dione (chlorophacinone-ISO)
94. Chlorphenoxamine (\*)
95. ► **M3** 2-[2-(4-Chlorophenyl)-2-phenylacetyl]indan 1,3-dione (chlorophacinone - ISO) ◀
96. Chloroethane
97. Chromium; chromic acid and its salts
98. *Claviceps purpurea* Tul., its alkaloids and galenical ► **M60** mixtures ◀
99. *Conium maculatum* L. (fruit, powder, galenical ► **M60** mixtures ◀)
100. Glycyclamide (\*)
101. Cobalt benzenesulphonate
102. Colchicine, its salts and derivatives
103. Colchicoside and its derivatives
104. *Golchicum autumnale* L. and its galenical ► **M60** mixtures ◀
105. Convallatoxin
106. *Anamirta cocculus* L. (fruit)
107. *Croton tiglium* (oil)
108. 1-Butyl-3-(*N*-crotonoylsulphanilyl)urea
109. Curare and curarine
110. Synthetic curarizants
111. Hydrogen cyanide and its salts

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

▼ **B**

112. ► **M3** 2- $\alpha$ -Cyclohexylbenzyl(*N,N,N',N'*-tetraethyl)trimethylenediamine (phenetamine) ◀
113. Cyclomenol (\*) and its salts
114. Sodium hexacyclonate (\*)
115. Hexapropymate (\*)
116. Dextropropoxyphene (\*)
117. ► **M3** *O,O'*-Diacetyl-*N*-allyl-*N*-normorphine ◀
118. Pipazetate (\*) and its salts
119. ► **M3** 5-( $\alpha\beta$ -Dibromophenethyl)-5-methylhydantoin ◀
120. ► **M3** *N,N'*-Pentamethylenebis (trimethylammonium salts), e.g. pentamethonium bromide (\*) ◀
121. ► **M3** *N,N'*-[(Methylimino)diethylene]bis(ethyltrimethylammonium) salts, e.g. azamethonium bromide (\*) ◀
122. Cyclarbamate (\*)
123. Clofenotane (\*); DDT (ISO)
124. ► **M3** *N,N'*-Hexamethylenebis(trimethylammonium) salts, e.g. hexamethonium bromide (\*) ◀
125. Dichloroethanes (ethylene chlorides)
126. Dichloroethylenes (acetylene chlorides)
127. Lysergide (\*) and its salts
128. ► **M3** 2-Diethylaminoethyl-3-hydroxy-4-phenylbenzoate and its salts ◀
129. Cinchocaine (\*) and its salts
130. 3-Diethylaminopropyl cinnamate
131. ► **M3** *O,O'*-Diethyl *O*-4-nitrophenyl phosphorothioate (parathion-ISO) ◀
132. ► **M3** [Oxalylbisiminoethylene]bis[*o*-chlorobenzyl]diethylammonium salts], e.g. ambenomium chloride (\*) ◀
133. Methyprylon (\*) and its salts
134. Digitaline and all heterosides of *Digitalis purpurea L.*
135. 7-[2-Hydroxy-3-(2-hydroxyethyl-*N*-methylamino)propyl]theophylline (xanthinol)
136. Dioxethedrin (\*) and its salts
137. Piprocurarium (\*)
138. Propyphenazone (\*)
139. Tetrabenzazine (\*) and its salts
140. Captodiame (\*)
141. Mefeclozazine (\*) and its salts
142. Dimethylamine
143. ► **M3** 1,1-Bis(dimethylaminomethyl)propyl benzoate (amydracaine, alypine) and its salts ◀
144. Methapyrilene (\*) and its salts
145. Metamfepramone(\*) and its salts
146. Amitriptyline (\*) and its salts
147. Metformin (\*) and its salts
148. Isosorbide dinitrate (\*)
149. Malononitrile

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼B**

150. Succinonitrile
151. Dinitrophenol isomers
152. Inproquone (\*)
153. Dimevamide (\*) and its salts
154. Diphenylpyraline (\*) and its salts
155. Sulfinpyrazone (\*)
156. ► **M3** *N*-(3-Carbamoyl-3,3-diphenylpropyl)-*N,N*-diisopropylmethyl-ammonium salts, e.g. isopropamide iodide (\*) ◀
157. Benactyzine(\*)
158. Benzatropine (\*) and its salts
159. Cyclizine (\*) and its salts
160. ► **M3** 5,5-Diphenyl-4-imidazolidone ◀
161. Probenecid (\*)
162. Disulfiram (\*); thiram (ISO)
163. Emetine, its salts and derivatives
164. Ephedrine and its salts
165. Oxanamide (\*) and its derivatives
166. Eserine or physostigmine and its salts
167. ► **M59** 4-aminobenzoic acid and its esters, with the free amino group ◀
168. Choline salts and their esters, e.g. choline chloride
169. Caramiphen (\*) and its salts
170. Diethyl 4-nitrophenyl phosphate
171. Metethoheptazine (\*) and its salts
172. Oxpheneridine (\*) and its salts
173. Ethoheptazine (\*) and its salts
174. Methheptazine (\*) and its salts
175. Methylphenidate (\*) and its salts
176. Doxylamine (\*) and its salts
177. Tolboxane (\*)

**▼M39****▼C7**

178. 4-Benzyloxyphenol and 4-ethoxyphenol

**▼B**

179. Parethoxycaine (\*) and its salts
180. Fenozolone (\*)
181. Glutethimide (\*) and its salts
182. Ethylene oxide
183. Bemegride (\*) and its salts
184. Valnoctamide (\*)
185. Haloperidol (\*)
186. Paramethasone (\*)
187. Fluanisone (\*)
188. Trifluoperidol (\*)

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ B**

- 189. Fluoresone (\*)
- 190. Fluorouracil (\*)

**▼ M3**

- 191. Hydrofluoric acid, its normal salts, its complexes and hydrofluorides with the exception of those given in Annex III, Part 1

**▼ B**

- 192. Furfuryltrimethylammonium salts, e.g. furtrethonium iodide (\*)
- 193. Galantamine (\*)
- 194. Progestogens ► **M17** ————— ◀
- 195. 1,2,3,4,5,6-Hexachlorocyclohexane (BHC-ISO)
- 196. ► **M3** (1*R*,4*S*,5*R*,8*S*)-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) ◀
- 197. Hexachloroethane
- 198. (1*R*,4*S*,5*R*,8*S*)-1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethano-naphthalene (isodrin-ISO)
- 199. Hydrastine, hydrastinine and their salts
- 200. Hydrazides and their salts
- 201. Hydrazine, its derivatives and their salts
- 202. Octamoxin (\*) and its salts
- 203. Warfarin (\*) and its salts
- 204. ► **M3** Ethyl bis(4-hydroxy-2-oxo-1-benzopyran-3-yl) acetate and salts of the acid ◀
- 205. Methocarbamol (\*)
- 206. Propatylnitrate (\*)
- 207. ► **M3** 4,4'-Dihydroxy-3,3'-(3-methylthiopropylidene) dicoumarin ◀
- 208. Fenadiazole (\*)
- 209. Nitroxoline (\*) and its salts
- 210. Hyoscyamine, its salts and derivatives
- 211. *Hyoscyamus niger* L. (leaves, seeds, powder and galenical ► **M60** mixtures ◀)
- 212. Pemoline (\*) and its salts
- 213. Iodine
- 214. ► **M3** Decamethylenebis(trimethylammonium) salts, e.g. decamethonium bromide ◀
- 215. Ipecacuanha (*Cephaelis ipecacuanha* Brot. and related species) (roots, powder and galenical ► **M60** mixtures ◀)
- 216. (2-Isopropylpent-4-enoyl)urea (apronalide)
- 217. ► **M3**  $\alpha$ -Santonin [(3*S*,5*aR*,9*bS*)-3,3a,4,5,5a,9b-hexahydro-3,5a,9-trimethylnaphto [1,2-*b*] furan-2,8-dione] ◀
- 218. *Lobelia inflata* L. and its galenical ► **M60** mixtures ◀
- 219. Lobeline (\*) and its salts
- 220. Barbiturates

**▼ M11**

- 221. Mercury and its compounds, except those special cases included ► **M18** in Annex VI, Part 1 ◀

**▼ B**

- 222. 3,4,5-Trimethoxyphenethylamine and its salts

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ B**

- 223. Metaldehyde
- 224. 2-(4-Allyl-2-methoxyphenoxy)-*N,N*-diethylacetamide and its salts
- 225. Coumetarol (\*)
- 226. Dextromethorphan (\*) and its salts
- 227. 2-Methylheptylamine and its salts
- 228. Isometheptene (\*) and its salts
- 229. Mecamylamine (\*)
- 230. Guaifenesin (\*)
- 231. Dicoumarol (\*)
- 232. Phenmetrazine (\*), its derivatives and salts
- 233. Thiamazole (\*)
- 234. ► **M3** 3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2*H*,5*H*-pyrano [3,2-*c*]-[1] benzopyran-5-one (cyclocoumarol) ◀
- 235. Carisoprodol (\*)
- 236. Meprobamate (\*)
- 237. Tefazoline (\*) and its salts
- 238. Arecoline
- 239. Poldine metilsulfate (\*)
- 240. Hydroxyzine (\*)
- 241. 2-Naphthol
- 242. 1-and 2-Naphthylamines and their salts
- 243. ► **M3** 3-(1-Naphthyl)-4-hydroxycoumarin ◀
- 244. Naphazoline (\*) and its salts
- 245. Neostigmine and its salts (e.g. neostigmine bromide (\*))
- 246. Nicotine and its salts
- 247. Amyl nitrites
- 248. Inorganic nitrites, with the exception of sodium nitrite
- 249. Nitrobenzene
- 250. Nitroresols and their alkali metal salts
- 251. Nitrofurantoin (\*)
- 252. Furazolidone (\*)
- 253. Propane-1,2,3-triyl trinitrate
- 254. Acenocoumarol (\*)
- 255. Alkali pentacyanonitrosylferrate (2-)
- 256. Nitrostilbenes, their homologues and their derivatives
- 257. Noradrenaline and its salts
- 258. Noscapine (\*) and its salts
- 259. Guanethidine (\*) and its salts
- 260. Oestrogens ► **M15** ————— ◀
- 261. Oleandrin
- 262. Chlortalidone (\*)
- 263. Pelletierine and its salts

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**▼ B**

- 264. Pentachloroethane
- 265. Pentaerithrityl tetranitrate (\*)
- 266. Petrichloral (\*)
- 267. Octamylamine (\*) and its salts

**▼ M3**

- 268. Picric acid

**▼ B**

- 269. Phenacemide (\*)
- 270. Difendoxazine (\*)
- 271. ► **M3** 2-Phenylindan-1,3-dione (phenindione) ◀
- 272. Ethylphenacemide (\*)
- 273. Phenprocoumon (\*)
- 274. Fenyramidol (\*)
- 275. Triamterene (\*) and its salts
- 276. ► **M3** Tetraethyl pyrophosphate; TEPP (ISO) ◀
- 277. Tritolyl phosphate
- 278. Psilocybine (\*)
- 279. Phosphorus and metal phosphides
- 280. Thalidomide (\*) and its salts
- 281. *Physostigma venenosum* Balf.
- 282. Picrotoxin
- 283. Pilocarpine and its salts
- 284. ► **M3**  $\alpha$ -Piperidin-2-ylbenzyl acetate (SIC! acetate) laevorotatory threoform (levophacetoperane) and its salts ◀
- 285. Pipradrol (\*) and its salts
- 286. Azacyclonol (\*) and its salts
- 287. Bietamiverine (\*)
- 288. Butopiprine (\*) and its salts

**▼ M43**

- 289. Lead and its compounds

**▼ B**

- 290. Coniine
- 291. *Prunus laurocerasus* L. ('cherry laurel water')
- 292. Metyrapone (\*)

**▼ M34**

- 293. Radioactive substances, as defined by Directive 96/29/Euratom <sup>(1)</sup> laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation.

**▼ B**

- 294. *Juniperus sabina* L. (leaves, essential oil and galenical ► **M60** mixtures ◀)
- 295. Hyoscine, its salts and derivatives
- 296. Gold salts

**▼ M9**

- 297. Selenium and its compounds with the exception of selenium disulphide under the conditions set out under reference No 49 in Annex III, Part 1

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<sup>(1)</sup> OJ L 159, 29.6.1996, p. 1.



**▼B**

298. *Solanum nigrum* L. and its galenical ►M60 mixtures ◀
299. Sparteine and its salts
300. Glucocorticoids
301. *Datura stramonium* L. and its galenical ►M60 mixtures ◀
302. Strophantines, their aglucones and their respective derivatives
303. *Strophantus* species and their galenical ►M60 mixtures ◀
304. Strychnine and its salts
305. *Strychnos* species and their galenical ►M60 mixtures ◀
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. ►M3 Sulphonamides (sulphanilamide and its derivatives...) and their salts obtained by substitution of one or more H-atoms of the -NH<sub>2</sub> groups) and their salts ◀
308. Sultiame (\*)
309. Neodymium and its salts
310. Thiotepa (\*)
311. *Pilocarpus jaborandi* Holmes and its galenical ►M60 mixtures ◀
312. Tellurium and its compounds
313. ►M3 Xylometazoline (\*) and its salts ◀
314. Tetrachloroethylene
315. Carbon tetrachloride
316. Hexaethyl tetraphosphate
317. Thallium and its compounds
318. *Thevetia nerifolia* Juss., glycoside extract
319. Ethionamide(\*)
320. Phenothiazine (\*) and its compounds

**▼M3**

321. Thiourea and its derivatives, with the exception of the one listed in Annex III, Part 1

**▼B**

322. Mephesisin (\*) and its esters
323. Vaccines, toxins or serums listed in the Annex to the second Council Directive of 20 May 1975 on the approximation of provisions laid down by law, regulation or administrative action relating to proprietary medicinal products (OJ No L 147, 9.6.1975, p. 13)
324. Tranlycypromine (\*) and its salts
325. Trichloronitromethane (chloropicrine)
326. 2,2,2-Tribromoethanol (tribromoethyl alcohol)
327. Trichiormethine (\*) and its salts
328. Tretamine (\*)
329. Gallamine triethiodide (\*)
330. *Urginea scilla* Stern. and its galenical ►M60 mixtures ◀
331. Veratrine, its salts and galenical ►M60 mixtures ◀
332. *Schoenocaulon officinale* Lind. (seeds and galenical ►M60 mixtures ◀)

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**▼ M8**

- 333.
- Veratrum Spp.*
- and their ►
- M60**
- mixtures ◀

**▼ B**

334. Vinyl chloride monomer
335. Ergocalciferol (\*) and cholecalciferol (vitamins D<sub>2</sub> and D<sub>3</sub>)
336. Salts of *O*-alkyldithiocarbonic acids
337. Yobimbine and its salts
338. Dimethyl sulfoxide (\*)
339. Diphenhydramine (\*) and its salts
340. 4-tert-Butylphenol
341. 4-tert-Butylpyrocatechol
342. Dihydrotachysterol (\*)
343. Dioxane
344. Morpholine and its salts
345. *Pyrethrum album L.* and its galenical ► **M60** mixtures ◀
346. ► **M3** 2-[4-Methoxybenzyl-*N*-(2-pyridyl)amino]ethyl dimethylamine maleate ◀
347. Tripelennamine (\*)
348. Tetrachlorosalicylanilides
349. Dichlorosalicylanilides

**▼ M3**

350. Tetrabromosalicylanilides ► **M13** ————— ◀
351. Dibromosalicylanilides ► **M13** ————— ◀

**▼ B**

352. Bithionol (\*)
353. Thiuram monosulphides
354. Thiuram disulphides
355. Dimethylformamide
356. 4-Phenylbut-3-en-2-one
357. Benzoates of 4-hydroxy-3-methoxycinnamyl alcohol except for normal content in natural essences used

**▼ M24**

358. Furocoumarines (e.g. trioxysalan (\*), 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.

**▼ B**

359. Oil from the seeds of
- Laurus nobilis L.*

**▼ M3**

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

**▼ B**

361. 5,5'-Di-isopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihydroiodide

**▼ M32**

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-tetrahydronaphthalen

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

▼ **M5**

363. *O*-phenylenediamine and its salts  
 364. 4-methyl-*m*-phenylenediamine and its salts.

▼ **M32**

365. Aristolochic acid and its salts; *Aristolochia* spp. and their  
 ► **M60** mixtures ◀

▼ **M10**

366. Chloroform

▼ **M32**

367. 2,3,7,8-Tetra chlorodibenzo-p-dioxin

▼ **M10**

368. 2,6-Dimethyl-1,3-dioxan-4-yl acetate (Dimethoxane)  
 369. Pyrethione sodium (INNM)

▼ **M12**

370. *N*-(Trichloromethylthio)-4-cyclohexene-1,2-dicarboximide (captan)  
 371. 2,2'-Dihydroxy-3,3',5,5',6,6'-hexachlorodiphenylmethane (hexachlorophene)

▼ **M32**

372. 6-(Piperidinyl)-2,4-pyrimidinediamine 3-oxide (minoxidil) and its salts  
 373. 3,4',5-Tribromosalicylanilide  
 374. *Phytolacca* spp. and their ► **M60** mixtures ◀

▼ **M13**

375. Tretinoin (\*) (retinoic acid and its salts)  
 376. 1-Methoxy-2,4-diaminobenzene (2,4-diaminoanisole - CI 76050)  
 ► **M17** and their salts ◀  
 377. 1-Methoxy-2,5-diaminobenzene (2,5-diaminoanisole) ► **M17** and their  
 salts ◀  
 378. Colouring agent CI 12140  
 379. Colouring agent CI 26105  
 380. Colouring agent CI 42555  
 Colouring agent CI 42555-1  
 Colouring agent CI 42555-2

▼ **M15**

381. Amyl 4-dimethylaminobenzoate, mixed isomers (Padimate A (INN))

▼ **M39**▼ **M15**

383. 2-Amino-4-nitrophenol  
 384. 2-Amino-5-nitrophenol

▼ **M17**

385. 11  $\alpha$ -Hydroxypregn-4-ene-3,20-dione and its esters

▼ **M32**

385. 11 $\alpha$ -Hydroxypregn-4-ene-3, 20-dione) and its esters

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ M32**

386. Colouring agent C.I. 42 640

**▼ M17**

387. Colouring agent CI 13 065

388. Colouring agent CI 42 535

389. Colouring agent CI 61 554

**▼ M32**

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, Part One, and the zirconium lakes, pigments or salts of the colouring agents listed in Annex IV, Part One, with reference number 3

393. Acetonitrile

394. Tetrahydrozoline and its salts

**▼ M18**

395. Hydroxy-8-quinoline and its sulphate, except for the uses provided for in No 51 in Annex III, Part 1

396. Dithio-2,2-bispyridine-dioxide 1,1' (additive with trihydrated magnesium sulphate) - (pyrithione disulphide + magnesium sulphate)

397. Colouring agent CI 12075 and its lakes, pigments and salts

398. Colouring agent CI 45170 and CI 45170:1

399. Lidocaine

**▼ M20**

400. 1,2-epoxybutane

401. Colouring agent CI 15585

402. Strontium lactate

403. Strontium nitrate

404. Strontium polycarboxylate

405. Pramocaine

406. 4-ethoxy-m-phenylenediamine and its salts

407. 2,4-diaminophenylethanol and its salts

408. Catechol

409. Pyrogallol

410. Nitrosamines

**▼ M39**

411. Secondary alkyl- and alkanolamines and their salts

**▼ M22**

412. 4-Amino-2-nitrophenol

**▼ M23**

413. 2-Methyl-m-phenylenediamine

**▼ M24**

414. 4-tert-Butyl-3-methoxy-2,6-dinitrotoluene (Musk Ambrette)

**▼ M28****▼ M24**

416. Cells, tissues or products of human origin

417. 3,3-Bis(4-hydroxyphenyl)phthalide (Phenolphthalein (\*))

(\*) In this Directive, names followed by an asterisk are those published in 'Computer print-out 1975, International Non-proprietary Names (INN) for pharmaceutical products, Lists 1-33 of proposed INN', WHO, Geneva, August 1975.

**▼ M25**

418. 3-Imidazol-4-ylacrylic acid and its ethyl ester (urocanic acid)

**▼ M49**

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 <sup>(1)</sup>, and ingredients derived therefrom.

**▼ M28**

420. Crude and refined coal tars

**▼ M30**

421. 1,1,3,3,5,-Pentamethyl-4,6-dinitroindane (moskene)  
422. 5-*tert*-Butyl-1,2,3-trimethyl-4,6-dinitrobenzene (musk tibetene).

**▼ M34**

423. Alanroot oil (*Inula helenium*) (CAS No 97676-35-2), when used as a fragrance ingredient.  
424. Benzyl cyanide (CAS No 140-29-4), when used as a fragrance ingredient.  
425. Cyclamen alcohol (CAS No 4756-19-8), when used as a fragrance ingredient.  
426. Diethyl maleate (CAS No 141-05-9), when used as a fragrance ingredient.  
427. Dihydrocoumarine (CAS No 119-84-6), when used as a fragrance ingredient.  
428. 2,4-Dihydroxy-3-methylbenzaldehyde (CAS No 6248-20-0), when used as a fragrance ingredient.  
429. 3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol) (CAS No 40607-48-5), when used as a fragrance ingredient.  
430. 4,6-Dimethyl-8-*tert*-butylcoumarin (CAS No 17874-34-9), when used as a fragrance ingredient.  
431. Dimethyl citraconate (CAS No 617-54-9), when used as a fragrance ingredient.  
432. 7,11-Dimethyl-4,6,10-dodecatrien-3-one (CAS No 26651-96-7), when used as a fragrance ingredient.  
433. 6,10-Dimethyl-3,5,9-undecatrien-2-one (CAS No 141-10-6), when used as a fragrance ingredient.  
434. Diphenylamine (CAS No 122-39-4), when used as a fragrance ingredient.  
435. Ethyl acrylate (CAS No 140-88-5), when used as a fragrance ingredient.  
436. Fig leaf absolute (*Ficus carica*) (CAS No 68916-52-9), when used as a fragrance ingredient.  
437. *trans*-2-Heptenal (CAS No 18829-55-5), when used as a fragrance ingredient.  
438. *trans*-2-Hexenal diethyl acetal (CAS No 67746-30-9), when used as a fragrance ingredient.  
439. *trans*-2-Hexenal dimethyl acetal (CAS No 18318-83-7), when used as a fragrance ingredient.  
440. Hydroabietyl alcohol (CAS No 13393-93-6), when used as a fragrance ingredient.  
441. 6-Isopropyl-2-decahydronaphthalenol (CAS No 34131-99-2), when used as a fragrance ingredient.  
442. 7-Methoxycoumarin (CAS No 531-59-9), when used as a fragrance ingredient.  
443. 4-(4-Methoxyphenyl)-3-butene-2-one (CAS No 943-88-4), when used as a fragrance ingredient.  
444. 1-(4-Methoxyphenyl)-1-penten-3-one (CAS No 104-27-8), when used as a fragrance ingredient.  
445. Methyl *trans*-2-butenate (CAS No 623-43-8), when used as a fragrance ingredient.

<sup>(1)</sup> OJ L 273, 10.10.2002, p. 1.

**▼ M34**

- 446. 7-Methylcoumarin (CAS No 2445-83-2), when used as a fragrance ingredient.
- 447. 5-Methyl-2,3-hexanedione (CAS No 13706-86-0), when used as a fragrance ingredient.
- 448. 2-Pentylidenecyclohexanone (CAS No 25677-40-1), when used as a fragrance ingredient.
- 449. 3,6,10-Trimethyl-3,5,9-undecatrien-2-one (CAS No 1117-41-5), when used as a fragrance ingredient.
- 450. Verbena oil (*Lippia citriodora* Kunth.) (CAS No 8024-12-2), when used as a fragrance ingredient.
- **C5** 451. Methyleugenol (CAS No 93-15-2) ◀ except for normal content in the natural essences used and provided that the concentration does not exceed:
  - (a) 0,01 % in fine fragrance
  - (b) 0,004 % in eau de toilette
  - (c) 0,002 % in fragrance cream
  - (d) 0,001 % in rinse-off products
  - (e) 0,0002 % in other leave-on products and oral hygiene products.

**▼ M43**

- 452. 6-(2-Chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane (Cas No. 37894-46-5)
- 453. Cobalt dichloride (Cas No. 7646-79-9)
- 454. Cobalt sulphate (Cas No 10124-43-3)
- 455. Nickel monoxide (Cas No 1313-99-1)
- 456. Dinickel trioxide (Cas No 1314-06-3)
- 457. Nickel dioxide (Cas No 12035-36-8)
- 458. Trinickel disulphide (Cas No 12035-72-2)
- 459. Tetracarbonylnickel (Cas No 13463-39-3)
- 460. Nickel sulphide (Cas No 16812-54-7)
- 461. Potassium bromate (Cas No 7758-01-2)
- 462. Carbon monoxide (Cas No 630-08-0)
- 463. Buta-1,3-diene (Cas No 106-99-0)
- 464. Isobutane (Cas No 75-28-5), if it contains  $\geq 0,1$  % w/w Butadiene
- 465. Butane (Cas No 106-97-8), if it contains  $\geq 0,1$  % w/w Butadiene
- 466. Gases (petroleum), C<sub>3-4</sub> (Cas No 68131-75-9), if they contain  $> 0,1$  % w/w Butadiene
- 467. Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber (Cas No 68307-98-2), if it contains  $> 0,1$  % w/w Butadiene
- 468. Tail gas (petroleum), catalytic polymn. naphtha fractionation stabiliser (Cas No 68307-99-3), if it contains  $> 0,1$  % w/w Butadiene
- 469. Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, hydrogen sulfide-free (Cas No 68308-00-9), if it contains  $> 0,1$  % w/w Butadiene
- 470. Tail gas (petroleum), cracked distillate hydrotreater stripper (Cas No 68308-01-0), if it contains  $> 0,1$  % w/w Butadiene
- 471. Tail gas (petroleum), gas oil catalytic cracking absorber (Cas No 68308-03-2), if it contains  $> 0,1$  % w/w Butadiene
- 472. Tail gas (petroleum), gas recovery plant (Cas No 68308-04-3), if it contains  $> 0,1$  % w/w Butadiene

## ▼M43

473. Tail gas (petroleum), gas recovery plant deethaniser (Cas No 68308-05-4), if it contains > 0,1 % w/w Butadiene
474. Tail gas (petroleum), hydrodesulfurised distillate and hydrodesulfurised naphtha fractionator, acid-free (Cas No 68308-06-5), if it contains > 0,1 % w/w Butadiene
475. Tail gas (petroleum), hydrodesulfurised vacuum gas oil stripper, hydrogen sulfide-free (Cas No 68308-07-6), if it contains > 0,1 % w/w Butadiene
476. Tail gas (petroleum), isomerised naphtha fractionation stabiliser (Cas No 68308-08-7), if it contains > 0,1 % w/w Butadiene
477. Tail gas (petroleum), light straight-run naphtha stabiliser, hydrogen sulfide-free (Cas No 68308-09-8), if it contains > 0,1 % w/w Butadiene
478. Tail gas (petroleum), straight-run distillate hydrodesulfurised, hydrogen sulfide-free (Cas No 68308-10-1), if it contains > 0,1 % w/w Butadiene
479. Tail gas (petroleum), propane-propylene alkylation feed prep deethaniser (Cas No 68308-11-2), if it contains > 0,1 % w/w Butadiene
480. Tail gas (petroleum), vacuum gas oil hydrodesulfurised, hydrogen sulfide-free (Cas No 68308-12-3), if it contains > 0,1 % w/w Butadiene
481. Gases (petroleum), catalytic cracked overheads (Cas No 68409-99-4), if they contain > 0,1 % w/w Butadiene
482. Alkanes, C<sub>1-2</sub> (Cas No 68475-57-0), if they contain > 0,1 % w/w Butadiene
483. Alkanes, C<sub>2-3</sub> (Cas No 68475-58-1), if they contain > 0,1 % w/w Butadiene
484. Alkanes, C<sub>3-4</sub> (Cas No 68475-59-2), if they contain > 0,1 % w/w Butadiene
485. Alkanes, C<sub>4-5</sub> (Cas No 68475-60-5), if they contain > 0,1 % w/w Butadiene
486. Fuel-gases (Cas No 68476-26-6), if they contain > 0,1 % w/w Butadiene
487. Fuel gases, crude oil distillates (Cas No 68476-29-9), if they contain > 0,1 % w/w Butadiene
488. Hydrocarbons, C<sub>3-4</sub> (Cas No 68476-40-4), if they contain > 0,1 % w/w Butadiene
489. Hydrocarbons, C<sub>4-5</sub> (Cas No 68476-42-6), if they contain > 0,1 % w/w Butadiene
490. Hydrocarbons, C<sub>2-4</sub>, C<sub>3</sub>-rich (Cas No 68476-49-3), if they contain > 0,1 % w/w Butadiene
491. Petroleum gases, liquefied (Cas No 68476-85-7), if they contain > 0,1 % w/w Butadiene
492. Petroleum gases, liquefied, sweetened (Cas No 68476-86-8), if they contain > 0,1 % w/w Butadiene
493. Gases (petroleum), C<sub>3-4</sub>, isobutane-rich (Cas No 68477-33-8), if they contain > 0,1 % w/w Butadiene
494. Distillates (petroleum), C<sub>3-6</sub>, piperylene-rich (Cas No 68477-35-0), if they contain > 0,1 % w/w Butadiene
495. Gases (petroleum), amine system feed (Cas No 68477-65-6), if they contain > 0,1 % w/w Butadiene
496. Gases (petroleum), benzene unit hydrodesulfurised off (Cas No 68477-66-7), if they contain > 0,1 % w/w Butadiene
497. Gases (petroleum), benzene unit recycle, hydrogen-rich (Cas No 68477-67-8), if they contain > 0,1 % w/w Butadiene
498. Gases (petroleum), blend oil, hydrogen-nitrogen-rich (Cas No 68477-68-9), if they contain > 0,1 % w/w Butadiene

**▼M43**

499. Gases (petroleum), butane splitter overheads (Cas No 68477-69-0), if they contain > 0,1 % w/w Butadiene
500. Gases (petroleum), C<sub>2-3</sub> (Cas No 68477-70-3), if they contain > 0,1 % w/w Butadiene
501. Gases (petroleum), catalytic-cracked gas oil depropaniser bottoms, C<sub>4</sub>-rich acid-free (Cas No 68477-71-4), if they contain > 0,1 % w/w Butadiene
502. Gases (petroleum), catalytic-cracked naphtha debutaniser bottoms, C<sub>3-5</sub>-rich (Cas No 68477-72-5), if they contain > 0,1 % w/w Butadiene
503. Gases (petroleum), catalytic cracked naphtha depropaniser overhead, C<sub>3</sub>-rich acid-free (Cas No 68477-73-6), if they contain > 0,1 % w/w Butadiene
504. Gases (petroleum), catalytic cracker (Cas No 68477-74-7), if they contain > 0,1 % w/w Butadiene
505. Gases (petroleum), catalytic cracker, C<sub>1-5</sub>-rich (Cas No 68477-75-8), if they contain > 0,1 % w/w Butadiene
506. Gases (petroleum), catalytic polymd. naphtha stabiliser overhead, C<sub>2-4</sub>-rich (Cas No 68477-76-9), if they contain > 0,1 % w/w Butadiene
507. Gases (petroleum), catalytic reformed naphtha stripper overheads (Cas No 68477-77-0), if they contain > 0,1 % w/w Butadiene
508. Gases (petroleum), catalytic reformer, C<sub>1-4</sub>-rich (Cas No 68477-79-2), if they contain > 0,1 % w/w Butadiene
509. Gases (petroleum), C<sub>6-8</sub> catalytic reformer recycle (Cas No 68477-80-5), if they contain > 0,1 % w/w Butadiene
510. Gases (petroleum), C<sub>6-8</sub> catalytic reformer (Cas No 68477-81-6), if they contain > 0,1 % w/w Butadiene
511. Gases (petroleum), C<sub>6-8</sub> catalytic reformer recycle, hydrogen-rich (Cas No 68477-82-7), if they contain > 0,1 % w/w Butadiene
512. Gases (petroleum), C<sub>3-5</sub> olefinic-paraffinic alkylation feed (Cas No 68477-83-8), if they contain > 0,1 % w/w Butadiene
513. Gases (petroleum), C<sub>2</sub>-return stream (Cas No 68477-84-9), if they contain > 0,1 % w/w Butadiene
514. Gases (petroleum), C<sub>4</sub>-rich (Cas No 68477-85-0), if they contain > 0,1 % w/w Butadiene
515. Gases (petroleum), deethaniser overheads (Cas No 68477-86-1), if they contain > 0,1 % w/w Butadiene
516. Gases (petroleum), deisobutaniser tower overheads (Cas No 68477-87-2), if they contain > 0,1 % w/w Butadiene
517. Gases (petroleum), depropaniser dry, propene-rich (Cas No 68477-90-7), if they contain > 0,1 % w/w Butadiene
518. Gases (petroleum), depropaniser overheads (Cas No 68477-91-8), if they contain > 0,1 % w/w Butadiene
519. Gases (petroleum), dry sour, gas-concn.-unit-off (Cas No 68477-92-9), if they contain > 0,1 % w/w Butadiene
520. Gases (petroleum), gas concn. reabsorber distn. (Cas No 68477-93-0), if they contain > 0,1 % w/w Butadiene
521. Gases (petroleum), gas recovery plant depropaniser overheads (Cas No 68477-94-1), if they contain > 0,1 % w/w Butadiene
522. Gases (petroleum), Girbatol unit feed (Cas No 68477-95-2), if they contain > 0,1 % w/w Butadiene
523. Gases (petroleum), hydrogen absorber off (Cas No 68477-96-3), if they contain > 0,1 % w/w Butadiene
524. Gases (petroleum), hydrogen-rich (Cas No 68477-97-4), if they contain > 0,1 % w/w Butadiene



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525. Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich (Cas No 68477-98-5), if they contain > 0,1 % w/w Butadiene
526. Gases (petroleum), isomerised naphtha fractionator, C<sub>4</sub>-rich, hydrogen sulfide-free (Cas No 68477-99-6), if they contain > 0,1 % w/w Butadiene
527. Gases (petroleum), recycle, hydrogen-rich (Cas No 68478-00-2), if they contain > 0,1 % w/w Butadiene
528. Gases (petroleum), reformer make-up, hydrogen-rich (Cas No 68478-01-3), if they contain > 0,1 % w/w Butadiene
529. Gases (petroleum), reforming hydrotreater (Cas No 68478-02-4), if they contain > 0,1 % w/w Butadiene
530. Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich (Cas No 68478-03-5), if they contain > 0,1 % w/w Butadiene
531. Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich (Cas No 68478-04-6), if they contain > 0,1 % w/w Butadiene
532. Gases (petroleum), thermal cracking distn. (Cas No 68478-05-7), if they contain > 0,1 % w/w Butadiene
533. Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum (Cas No 68478-21-7), if it contains > 0,1 % w/w Butadiene
534. Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber (Cas No 68478-22-8), if it contains > 0,1 % w/w Butadiene
535. Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurised combined fractionator (Cas No 68478-24-0), if it contains > 0,1 % w/w Butadiene
536. Tail gas (petroleum), catalytic cracker refractionation absorber (Cas No 68478-25-1), if it contains > 0,1 % w/w Butadiene
537. Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser (Cas No 68478-26-2), if it contains > 0,1 % w/w Butadiene
538. Tail gas (petroleum), catalytic reformed naphtha separator (Cas No 68478-27-3), if it contains > 0,1 % w/w Butadiene
539. Tail gas (petroleum), catalytic reformed naphtha stabiliser (Cas No 68478-28-4), if it contains > 0,1 % w/w Butadiene
540. Tail gas (petroleum), cracked distillate hydrotreater separator (Cas No 68478-29-5), if it contains > 0,1 % w/w Butadiene
541. Tail gas (petroleum), hydrodesulfurised straight-run naphtha separator (Cas No 68478-30-8), if it contains > 0,1 % w/w Butadiene
542. Tail gas (petroleum), saturate gas plant mixed stream, C<sub>4</sub>-rich (Cas No 68478-32-0), if it contains > 0,1 % w/w Butadiene
543. Tail gas (petroleum), saturate gas recovery plant, C<sub>1-2</sub>-rich (Cas No 68478-33-1), if it contains > 0,1 % w/w Butadiene
544. Tail gas (petroleum), vacuum residues thermal cracker (Cas No 68478-34-2), if it contains > 0,1 % w/w Butadiene
545. Hydrocarbons, C<sub>3-4</sub>-rich, petroleum distillate (Cas No 68512-91-4), if they contain > 0,1 % w/w Butadiene
546. Gases (petroleum), catalytic reformed straight-run naphtha stabiliser overheads (Cas No 68513-14-4), if they contain > 0,1 % w/w Butadiene
547. Gases (petroleum), full-range straight-run naphtha dehexaniser off (Cas No 68513-15-5), if they contain > 0,1 % w/w Butadiene
548. Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich (Cas No 68513-16-6), if they contain > 0,1 % w/w Butadiene
549. Gases (petroleum), light straight-run naphtha stabiliser off (Cas No 68513-17-7), if they contain > 0,1 % w/w Butadiene

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550. Gases (petroleum), reformer effluent high-pressure flash drum off (Cas No 68513-18-8), if they contain > 0,1 % w/w Butadiene
551. Gases (petroleum), reformer effluent low-pressure flash drum off (Cas No 68513-19-9), if they contain > 0,1 % w/w Butadiene
552. Residues (petroleum), alkylation splitter, C<sub>4</sub>-rich (Cas No 68513-66-6), if they contain > 0,1 % w/w Butadiene
553. Hydrocarbons, C<sub>1-4</sub> (Cas No 68514-31-8), if they contain > 0,1 % w/w Butadiene
554. Hydrocarbons, C<sub>1-4</sub>, sweetened (Cas No 68514-36-3), if they contain > 0,1 % w/w Butadiene
555. Gases (petroleum), oil refinery gas distn. off (Cas No 68527-15-1), if they contain > 0,1 % w/w Butadiene
556. Hydrocarbons, C<sub>1-3</sub> (Cas No 68527-16-2), if they contain > 0,1 % w/w Butadiene
557. Hydrocarbons, C<sub>1-4</sub>, debutanizer fraction (Cas No 68527-19-5), if they contain > 0,1 % w/w Butadiene
558. Gases (petroleum), benzene unit hydrotreater depentaniser overheads (Cas No 68602-82-4), if they contain > 0,1 % w/w Butadiene
559. Gases (petroleum), C<sub>1-5</sub>, wet (Cas No 68602-83-5), if they contain > 0,1 % w/w Butadiene
560. Gases (petroleum), secondary absorber off, fluidised catalytic cracker overheads fractionator (Cas No 68602-84-6), if they contain > 0,1 % w/w Butadiene
561. Hydrocarbons, C<sub>2-4</sub> (Cas No 68606-25-7), if they contain > 0,1 % w/w Butadiene
562. Hydrocarbons, C<sub>3</sub> (Cas No 68606-26-8), if they contain > 0,1 % w/w Butadiene
563. Gases (petroleum), alkylation feed (Cas No 68606-27-9), if they contain > 0,1 % w/w Butadiene
564. Gases (petroleum), depropaniser bottoms fractionation off (Cas No 68606-34-8), if they contain > 0,1 % w/w Butadiene
565. Petroleum products, refinery gases (Cas No 68607-11-4), if they contain > 0,1 % w/w Butadiene
566. Gases (petroleum), hydrocracking low-pressure separator (Cas No 68783-06-2), if they contain > 0,1 % w/w Butadiene
567. Gases (petroleum), refinery blend (Cas No 68783-07-3), if they contain > 0,1 % w/w Butadiene
568. Gases (petroleum), catalytic cracking (Cas No 68783-64-2), if they contain > 0,1 % w/w Butadiene
569. Gases (petroleum), C<sub>2-4</sub>, sweetened (Cas No 68783-65-3), if they contain > 0,1 % w/w Butadiene
570. Gases (petroleum), refinery (Cas No 68814-67-5), if they contain > 0,1 % w/w Butadiene
571. Gases (petroleum), platformer products separator off (Cas No 68814-90-4), if they contain > 0,1 % w/w Butadiene
572. Gases (petroleum), hydrotreated sour kerosine depentaniser stabiliser off (Cas No 68911-58-0), if they contain > 0,1 % w/w Butadiene
573. Gases (petroleum), hydrotreated sour kerosine flash drum (Cas No 68911-59-1), if they contain > 0,1 % w/w Butadiene
574. Gases (petroleum), crude oil fractionation off (Cas No 68918-99-0), if they contain > 0,1 % w/w Butadiene
575. Gases (petroleum), dehexaniser off (Cas No 68919-00-6), if they contain > 0,1 % w/w Butadiene

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576. Gases (petroleum), distillate unifier desulfurisation tripper off (Cas No 68919-01-7), if they contain > 0,1 % w/w Butadiene
577. Gases (petroleum), fluidised catalytic cracker fractionation off (Cas No 68919-02-8) if they contain > 0,1 % w/w Butadiene
578. Gases (petroleum), fluidised catalytic cracker scrubbing secondary absorber off (Cas No 68919-03-9), if they contain > 0,1 % w/w Butadiene
579. Gases (petroleum), heavy distillate hydrotreater desulfurisation stripper off (Cas No 68919-04-0), if they contain > 0,1 % w/w Butadiene
580. Gases (petroleum), light straight run gasoline fractionation stabiliser off (Cas No 68919-05-1), if they contain > 0,1 % w/w Butadiene
581. Gases (petroleum), naphtha unifier desulfurisation stripper off (Cas No 68919-06-2), if they contain > 0,1 % w/w Butadiene
582. Gases (petroleum), platformer stabiliser off, light ends fractionation (Cas No 68919-07-3), if they contain > 0,1 % w/w Butadiene
583. Gases (petroleum), preflash tower off, crude distn. (Cas No 68919-08-4), if they contain > 0,1 % w/w Butadiene
584. Gases (petroleum), straight-run naphtha catalytic reforming off (Cas No 68919-09-5), if they contain > 0,1 % w/w Butadiene
585. Gases (petroleum), straight-run stabiliser off (Cas No 68919-10-8), if they contain > 0,1 % w/w Butadiene
586. Gases (petroleum), tar stripper off (Cas No 68919-11-9), if they contain > 0,1 % w/w Butadiene
587. Gases (petroleum), unifier stripper off (Cas No 68919-12-0), if they contain > 0,1 % w/w Butadiene
588. Gases (petroleum), fluidised catalytic cracker splitter overheads (Cas No 68919-20-0), if they contain > 0,1 % w/w Butadiene
589. Gases (petroleum), catalytic cracked naphtha debutanizer (Cas No 68952-76-1), if they contain > 0,1 % w/w Butadiene
590. Tail gas (petroleum), catalytic cracked distillate and naphtha stabiliser (Cas No 68952-77-2), if it contains > 0,1 % w/w Butadiene
591. Tail gas (petroleum), catalytic hydrodesulfurised naphtha separator (Cas No 68952-79-4), if it contains > 0,1 % w/w Butadiene
592. Tail gas (petroleum), straight-run naphtha hydrodesulfurised (Cas No 68952-80-7), if it contains > 0,1 % w/w Butadiene
593. Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber (Cas No 68952-81-8), if it contains > 0,1 % w/w Butadiene
594. Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabiliser, petroleum coking (Cas No 68952-82-9), if it contains > 0,1 % w/w Butadiene
595. Gases (petroleum), light steam-cracked, butadiene conc. (Cas No 68955-28-2), if they contain > 0,1 % w/w Butadiene
596. Gases (petroleum), sponge absorber off, fluidised catalytic cracker and gas oil desulfuriser overhead fractionation (Cas No 68955-33-9), if they contain > 0,1 % w/w Butadiene
597. Gases (petroleum), straight-run naphtha catalytic reformer stabiliser overhead (Cas No 68955-34-0), if they contain > 0,1 % w/w Butadiene
598. Gases (petroleum), crude distn. and catalytic cracking (Cas No 68989-88-8), if they contain > 0,1 % w/w Butadiene
599. Hydrocarbons, C<sub>4</sub> (Cas No 87741-01-3), if they contain > 0,1 % w/w Butadiene
600. Alkanes, C<sub>1,4</sub>, C<sub>3</sub>-rich (Cas No 90622-55-2), if they contain > 0,1 % w/w Butadiene
601. Gases (petroleum), gas oil diethanolamine scrubber off (Cas No 92045-15-3), if they contain > 0,1 % w/w Butadiene

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- 602. Gases (petroleum), gas oil hydrodesulfurisation effluent (Cas No 92045-16-4), if they contain > 0,1 % w/w Butadiene
- 603. Gases (petroleum), gas oil hydrodesulfurisation purge (Cas No 92045-17-5), if they contain > 0,1 % w/w Butadiene
- 604. Gases (petroleum), hydrogenator effluent flash drum off (Cas No 92045-18-6), if they contain > 0,1 % w/w Butadiene
- 605. Gases (petroleum), naphtha steam cracking high-pressure residual (Cas No 92045-19-7), if they contain > 0,1 % w/w Butadiene
- 606. Gases (petroleum), residue visbreaking off (Cas No 92045-20-0), if they contain > 0,1 % w/w Butadiene
- 607. Gases (petroleum), steam-cracker C<sub>3</sub>-rich (Cas No 92045-22-2), if they contain > 0,1 % w/w Butadiene
- 608. Hydrocarbons, C<sub>4</sub>, steam-cracker distillate (Cas No 92045-23-3), if they contain > 0,1 % w/w Butadiene
- 609. Petroleum gases, liquefied, sweetened, C<sub>4</sub> fraction (Cas No 92045-80-2), if they contain > 0,1 % w/w Butadiene
- 610. Hydrocarbons, C<sub>4</sub>, 1,3-butadiene- and isobutene-free (Cas No 95465-89-7), if they contain > 0,1 % w/w Butadiene
- 611. Raffinates (petroleum), steam-cracked C<sub>4</sub> fraction cuprous ammonium acetate extn., C<sub>3-5</sub> and C<sub>3-5</sub> unsatd., butadiene-free (Cas No 97722-19-5), if they contain > 0,1 % w/w Butadiene
- 612. Benzo[def]chrysene (=benzo[a]pyrene) (Cas No 50-32-8)
- 613. Pitch, coal tar-petroleum (Cas No 68187-57-5), if it contains > 0,005 % w/w benzo[a]pyrene
- 614. Distillates (coal-petroleum), condensed-ring arom. (Cas No 68188-48-7), if they contain > 0,005 % w/w benzo[a]pyrene

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- 617. Creosote oil, acenaphthene fraction, acenaphthene-free (Cas No 90640-85-0), if it contains > 0,005 % w/w benzo[a]pyrene
- 618. Pitch, coal tar, low-temp. (Cas No 90669-57-1), if it contains > 0,005 % w/w benzo[a]pyrene
- 619. Pitch, coal tar, low-temp., heat-treated (Cas No 90669-58-2), if it contains > 0,005 % w/w benzo[a]pyrene
- 620. Pitch, coal tar, low-temp., oxidised (Cas No 90669-59-3), if it contains > 0,005 % w/w benzo[a]pyrene
- 621. Extract residues (coal), brown (Cas No 91697-23-3), if they contain > 0,005 % w/w benzo[a]pyrene
- 622. Paraffin waxes (coal), brown-coal high-temp. tar (Cas No 92045-71-1), if they contain > 0,005 % w/w benzo[a]pyrene
- 623. Paraffin waxes (coal), brown-coal high-temp. tar, hydrotreated (Cas No 92045-72-2), if they contain > 0,005 % w/w benzo[a]pyrene
- 624. Waste solids, coal-tar pitch coking (Cas No 92062-34-5), if they contain > 0,005 % w/w benzo[a]pyrene
- 625. Pitch, coal tar, high-temp., secondary (Cas No 94114-13-3), if it contains > 0,005 % w/w benzo[a]pyrene
- 626. Residues (coal), liq. solvent extn. (Cas No 94114-46-2), if they contain > 0,005 % w/w benzo[a]pyrene
- 627. Coal liquids, liq. solvent extn. soln. (Cas No 94114-47-3), if they contain > 0,005 % w/w benzo[a]pyrene
- 628. Coal liquids, liq. solvent extn. (Cas No 94114-48-4), if they contain > 0,005 % w/w benzo[a]pyrene

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629. Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated (Cas No 97926-76-6), if they contain > 0,005 % w/w benzo[a]pyrene
630. Paraffin waxes (coal), brown-coal high-temp tar, clay-treated (Cas No 97926-77-7), if they contain > 0,005 % w/w benzo[a]pyrene
631. Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated (Cas No 97926-78-8), if they contain > 0,005 % w/w benzo[a]pyrene
632. Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction (Cas No 101316-45-4), if they contain > 0,005 % w/w benzo[a]pyrene
633. Aromatic hydrocarbons, C<sub>20-28</sub>, polycyclic, mixed coal-tar pitch-polyethylene polypropylene pyrolysis-derived (Cas No 101794-74-5), if they contain > 0,005 % w/w benzo[a]pyrene
634. Aromatic hydrocarbons, C<sub>20-28</sub>, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived (Cas No 101794-75-6), if they contain > 0,005 % w/w benzo[a]pyrene
635. Aromatic hydrocarbons, C<sub>20-28</sub>, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived (Cas No 101794-76-7), if they contain > 0,005 % w/w benzo[a]pyrene
636. Pitch, coal tar, high-temp., heat-treated (Cas No 121575-60-8), if it contains > 0,005 % w/w benzo[a]pyrene
637. Dibenz[*a,h*]anthracene (Cas No 53-70-3)
638. Benz[*a*]anthracene (Cas No 56-55-3)
639. Benzo[*e*]pyrene (Cas No 192-97-2)
640. Benzo[*j*]fluoranthene (Cas No 205-82-3)
641. Benz(*e*)acephenanthrylene (Cas No 205-99-2)
642. Benzo(*k*)fluoranthene (Cas No 207-08-9)
643. Chrysene (Cas No 218-01-9)
644. 2-Bromopropane (Cas No 75-26-3)
645. Trichloroethylene (Cas No 79-01-6)
646. 1,2-Dibromo-3-chloropropane (Cas No 96-12-8)
647. 2,3-Dibromopropan-1-ol (Cas No 96-13-9)
648. 1,3-Dichloropropan-2-ol (Cas No 96-23-1)
649.  $\alpha,\alpha,\alpha$ -Trichlorotoluene (Cas No 98-07-7)
650.  $\alpha$ -Chlorotoluene (Cas No 100-44-7)
651. 1,2-Dibromoethane (Cas No 106-93-4)
652. Hexachlorobenzene (Cas No 118-74-1)
653. Bromoethylene (Cas No 593-60-2)
654. 1,4-Dichlorobut-2-ene (Cas No 764-41-0)
655. Methyloxirane (Cas No 75-56-9)
656. (Epoxyethyl)benzene (Cas No 96-09-3)
657. 1-Chloro-2,3-epoxypropane (Cas No 106-89-8)
658. *R*-1-Chloro-2,3-epoxypropane (Cas No 51594-55-9)
659. 1,2-Epoxy-3-phenoxypropane (Cas No 122-60-1)
660. 2,3-Epoxypropan-1-ol (Cas No 556-52-5)
661. *R*-2,3-Epoxy-1-propanol (Cas No 57044-25-4)
662. 2,2'-Bioxirane (Cas No 1464-53-5)
663. ► **M50** (2*RS*,3*RS*)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1*H*-1,2,4-triazol-1-yl]methyl]oxirane; epoxiconazole (CAS No 133855-98-8) ◀
664. Chloromethyl methyl ether (Cas No 107-30-2)
665. 2-Methoxyethanol (Cas No 109-86-4)

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- 666. 2-Ethoxyethanol (Cas No 110-80-5)
- 667. Oxybis[chloromethane], bis (Chloromethyl) ether (Cas No 542-88-1)
- 668. 2-Methoxypropanol (Cas No 1589-47-5)
- 669. Propiolactone (Cas No 57-57-8)
- 670. Dimethylcarbamoyl chloride (Cas No 79-44-7)
- 671. Urethane (Cas No 51-79-6)
- 672. 2-Methoxyethyl acetate (Cas No 110-49-6)
- 673. 2-Ethoxyethyl acetate (Cas No 111-15-9)
- 674. Methoxyacetic acid (Cas No 625-45-6)
- 675. Dibutyl phthalate (Cas No 84-74-2)
- 676. bis(2-Methoxyethyl) ether (Cas No 111-96-6)
- 677. bis(2-Ethylhexyl) phthalate (Cas No 117-81-7)
- 678. bis(2-Methoxyethyl) phthalate (Cas No 117-82-8)
- 679. 2-Methoxypropyl acetate (Cas No 70657-70-4)
- 680. 2-Ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-methyl]thio]acetate (Cas No 80387-97-9)
- 681. Acrylamide, unless regulated elsewhere in this Directive (Cas No 79-06-1)
- 682. Acrylonitrile (Cas No 107-13-1)
- 683. 2-Nitropropane (Cas No 79-46-9)
- 684. Dinoseb (Cas No 88-85-7), its salts and esters with the exception of those specified elsewhere in this list
- 685. 2-Nitroanisole (Cas No 91-23-6)
- 686. 4-Nitrobiphenyl (Cas No 92-93-3)

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- 687. dinitrotoluene, technical grade (Cas No 121-14-2)

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- 688. Binapacryl (Cas No 485-31-4)
- 689. 2-Nitronaphthalene (Cas No 581-89-5)
- 690. 2,3-Dinitrotoluene (Cas No 602-01-7)
- 691. 5-Nitroacenaphthene (Cas No 602-87-9)
- 692. 2,6-Dinitrotoluene (Cas No 606-20-2)
- 693. 3,4-Dinitrotoluene (Cas No 610-39-9)
- 694. 3,5-Dinitrotoluene (Cas No 618-85-9)
- 695. 2,5-Dinitrotoluene (Cas No 619-15-8)
- 696. Dinoterb (Cas No 1420-07-1), its salts and esters
- 697. Nitrofen (Cas No 1836-75-5)
- 698. Dinitrotoluene (Cas No 25321-14-6)
- 699. Diazomethane (Cas No 334-88-3)
- 700. 1,4,5,8-Tetraaminoanthraquinone (Disperse Blue 1) (Cas No 2475-45-8)
- 701. Dimethylnitrosoamine (Cas No 62-75-9)
- 702. 1-Methyl-3-nitro-1-nitrosoguanidine (Cas No 70-25-7)
- 703. Nitrosodipropylamine (Cas No 621-64-7)
- 704. 2,2'-(Nitrosoimino)bisethanol (Cas No 1116-54-7)
- 705. 4,4'-Methylenedianiline (Cas No 101-77-9)

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706. 4,4'-(4-Iminocyclohexa-2,5-dienylidenemethylene) dianiline hydrochloride (Cas No 569-61-9)
707. 4,4'-Methylenedi-o-toluidine (Cas No 838-88-0)
708. o-Anisidine (Cas No 90-04-0)
709. 3,3'-Dimethoxybenzidine (Cas No 119-90-4)
710. Salts of o-dianisidine
711. o-Dianisidine based azo dyes
712. 3,3'-Dichlorobenzidine (Cas No 91-94-1)
713. Benzidine dihydrochloride (Cas No 531-85-1)
714. [[1,1'-Biphenyl]-4,4'-diyl]diammonium sulphate (Cas No 531-86-2)
715. 3,3'-Dichlorobenzidine dihydrochloride (Cas No 612-83-9)
716. Benzidine sulphate (Cas No 21136-70-9)
717. Benzidine acetate (Cas No 36341-27-2)
718. 3,3'-Dichlorobenzidine dihydrogen bis(sulphate) (Cas No 64969-34-2)
719. 3,3'-Dichlorobenzidine sulphate (Cas No 74332-73-3)
720. Benzidine based azo dyes
721. 4,4'-Bi-o-toluidine (Cas No 119-93-7)
722. 4,4'-Bi-o-toluidine dihydrochloride (Cas No 612-82-8)
723. [3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl]diammonium bis(hydrogen sulphate) (Cas No 64969-36-4)
724. 4,4'-Bi-o-toluidine sulphate (Cas No 74753-18-7)
725. o-Tolidine based dyes
726. Biphenyl-4-ylamine (Cas No 92-67-1) and its salts
727. Azobenzene (Cas No 103-33-3)
728. (Methyl-ONN-azoxy)methyl acetate (Cas No 592-62-1)
729. Cycloheximide (Cas No 66-81-9)
730. 2-Methylaziridine (Cas No 75-55-8)
731. Imidazolidine-2-thione (Cas No 96-45-7)
732. Furan (Cas No 110-00-9)
733. Aziridine (Cas No 151-56-4)
734. Captafol (2425-06-1)
735. Carbadox (Cas No 6804-07-5)
736. Flumioxazin (Cas No 103361-09-7)
737. Tridemorph (Cas No 24602-86-6)
738. Vinclozolin (Cas No 50471-44-8)
739. Fluazifop-butyl (Cas No 69806-50-4)
740. Flusilazole (Cas No 85509-19-9)
741. 1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione (Cas No 2451-62-9)
742. Thioacetamide (Cas No 62-55-5)
743. N,N-Dimethylformamide (Cas No 68-12-2)
744. Formamide (Cas No 75-12-7)
745. N-Methylacetamide (Cas No 79-16-3)
746. N-Methylformamide (Cas No 123-39-7)
747. N,N-Dimethylacetamide (Cas No 127-19-5)

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748. Hexamethylphosphoric-triamide (Cas No 680-31-9)
749. Diethyl sulphate (Cas No 64-67-5)
750. Dimethyl sulphate (Cas No 77-78-1)
751. 1,3-Propanesultone (Cas No 1120-71-4)
752. Dimethylsulphamoyl-chloride (Cas No 13360-57-1)
753. Sulfallate (Cas No 95-06-7)
754. A mixture of: 4-[[bis-(4-Fluorophenyl)methylsilyl]methyl]-4*H*-1,2,4-triazole and 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1*H*-1,2,4-triazole (EC No 403-250-2)
755. (+/-)-Tetrahydrofurfuryl -(R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate (Cas No 119738-06-6)
756. 6-Hydroxy-1-(3-Isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile (Cas No 85136-74-9)
757. (6-(4-Hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazine-2,4-diyl)bis[(amino-1-methylethyl)ammonium] formate (Cas No 108225-03-2)
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) (EC No 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 (EC No 412-790-8)
760. 1,3,5-tris-[(2*S* and 2*R*)-2,3-Epoxypropyl]-1,3,5-triazine-2,4,6-(1*H*,3*H*,5*H*)-trione (Cas No 59653-74-6)
761. Erionite (Cas No 12510-42-8)
762. Asbestos (Cas No 12001-28-4)
763. Petroleum (Cas No 8002-05-9)
764. Distillates (petroleum), heavy hydrocracked (Cas No 64741-76-0), if they contain > 3 % w/w DMSO extract
765. Distillates (petroleum), solvent-refined heavy paraffinic (Cas No 64741-88-4), if they contain > 3 % w/w DMSO extract
766. Distillates (petroleum), solvent-refined light paraffinic (Cas No 64741-89-5), if they contain > 3 % w/w DMSO extract
767. Residual oils (petroleum), solvent deasphalted (Cas No 64741-95-3), if they contain > 3 % w/w DMSO extract
768. Distillates (petroleum), solvent-refined heavy naphthenic (Cas No 64741-96-4), if they contain > 3 % w/w DMSO extract
769. Distillates (petroleum), solvent-refined light naphthenic (Cas No 64741-97-5), if they contain > 3 % w/w DMSO extract
770. Residual oils (petroleum), solvent-refined (Cas No 64742-01-4), if they contain > 3 % w/w DMSO extract
771. Distillates (petroleum), clay-treated heavy paraffinic (Cas No 64742-36-5), if they contain > 3 % w/w DMSO extract
772. Distillates (petroleum), clay-treated light paraffinic (Cas No 64742-37-6), if they contain > 3 % w/w DMSO extract
773. Residual oils (petroleum), clay-treated (Cas No 64742-41-2), if they contain > 3 % w/w DMSO extract
774. Distillates (petroleum), clay-treated heavy naphthenic (Cas No 64742-44-5), if they contain > 3 % w/w DMSO extract
775. Distillates (petroleum), clay-treated light naphthenic (Cas No 64742-45-6), if they contain > 3 % w/w DMSO extract
776. Distillates (petroleum), hydrotreated heavy naphthenic (Cas No 64742-52-5), if they contain > 3% w/w DMSO extract



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777. Distillates (petroleum), hydrotreated light naphthenic (Cas No 64742-53-6), if they contain > 3 % w/w DMSO extract
778. Distillates (petroleum), hydrotreated heavy paraffinic (Cas No 64742-54-7), if they contain > 3 % w/w DMSO extract
779. Distillates (petroleum), hydrotreated light paraffinic (Cas No 64742-55-8), if they contain > 3 % w/w DMSO extract
780. Distillates (petroleum), solvent-dewaxed light paraffinic (Cas No 64742-56-9), if they contain > 3 % w/w DMSO extract
781. Residual oils (petroleum), hydrotreated (Cas No 64742-57-0), if they contain > 3 % w/w DMSO extract
782. Residual oils (petroleum), solvent-dewaxed (Cas No 64742-62-7), if they contain > 3 % w/w DMSO extract
783. Distillates (petroleum), solvent-dewaxed heavy naphthenic (Cas No 64742-63-8), if they contain > 3 % w/w DMSO extract
784. Distillates (petroleum), solvent-dewaxed light naphthenic (Cas No 64742-64-9), if they contain > 3 % w/w DMSO extract
785. Distillates (petroleum), solvent-dewaxed heavy paraffinic (Cas No 64742-65-0), if they contain > 3 % w/w DMSO extract
786. Foots oil (petroleum) (Cas No 64742-67-2), if it contains > 3 % w/w DMSO extract
787. Naphthenic oils (petroleum), catalytic dewaxed heavy (Cas No 64742-68-3), if they contain > 3 % w/w DMSO extract
788. Naphthenic oils (petroleum), catalytic dewaxed light (Cas No 64742-69-4), if they contain > 3 % w/w DMSO extract
789. Paraffin oils (petroleum), catalytic dewaxed heavy (Cas No 64742-70-7), if they contain > 3 % w/w DMSO extract
790. Paraffin oils (petroleum), catalytic dewaxed light (Cas No 64742-71-8), if they contain > 3 % w/w DMSO extract
791. Naphthenic oils (petroleum), complex dewaxed heavy (Cas No 64742-75-2), if they contain > 3 % w/w DMSO extract
792. Naphthenic oils (petroleum), complex dewaxed light (Cas No 64742-76-3), if they contain > 3 % w/w DMSO extract
793. Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc. (Cas No 68783-00-6), if they contain > 3 % w/w DMSO extract
794. Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent (Cas No 68783-04-0), if they contain > 3 % w/w DMSO extract
795. Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted (Cas No 68814-89-1), if they contain > 3 % w/w DMSO extract
796. Lubricating oils (petroleum), C<sub>20-50</sub>, hydrotreated neutral oil-based, high-viscosity (Cas No 72623-85-9), if they contain > 3 % w/w DMSO extract
797. Lubricating oils (petroleum), C<sub>15-30</sub>, hydrotreated neutral oil-based (Cas No 72623- 86-0), if they contain > 3 % w/w DMSO extract
798. Lubricating oils (petroleum), C<sub>20-50</sub>, hydrotreated neutral oil-based (Cas No 72623- 87-1), if they contain > 3 % w/w DMSO extract
799. Lubricating oils (Cas No 74869-22-0), if they contain > 3 % w/w DMSO extract
800. Distillates (petroleum), complex dewaxed heavy paraffinic (Cas No 90640-91-8), if they contain > 3 % w/w DMSO extract
801. Distillates (petroleum), complex dewaxed light paraffinic (Cas No 90640-92-9), if they contain > 3 % w/w DMSO extract
802. Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated (Cas No 90640-94-1), if they contain > 3 % w/w DMSO extract
803. Hydrocarbons, C<sub>20-50</sub>, solvent dewaxed heavy paraffinic, hydrotreated (Cas No 90640-95-2), if they contain > 3 % w/w DMSO extract

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804. Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated (Cas No 90640-96-3), if they contain > 3 % w/w DMSO extract
805. Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated (Cas No 90640-97-4), if they contain > 3 % w/w DMSO extract
806. Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated (Cas No 90641-07-9), if they contain > 3 % w/w DMSO extract
807. Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated (Cas No 90641-08-0), if they contain > 3 % w/w DMSO extract
808. Extracts (petroleum), light paraffinic distillate solvent, hydrotreated (Cas No 90641-09-1), if they contain > 3 % w/w DMSO extract
809. Residual oils (petroleum), hydrotreated solvent dewaxed (Cas No 90669-74-2), if they contain > 3 % w/w DMSO extract
810. Residual oils (petroleum), catalytic dewaxed (Cas No 91770-57-9), if they contain > 3 % w/w DMSO extract
811. Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated (Cas No 91995-39-0) if they contain > 3 % w/w DMSO extract
812. Distillates (petroleum), dewaxed light paraffinic, hydrotreated (Cas No 91995-40-3), if they contain > 3 % w/w DMSO extract
813. Distillates (petroleum), hydrocracked solvent-refined, dewaxed (Cas No 91995-45-8), if they contain > 3 % w/w DMSO extract
814. Distillates (petroleum), solvent-refined light naphthenic, hydrotreated (Cas No 91995-54-9), if they contain > 3 % w/w DMSO extract
815. Extracts (petroleum), hydrotreated light paraffinic distillate solvent (Cas No 91995- 73-2), if they contain > 3 % w/w DMSO extract
816. Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurised (Cas No 91995-75-4), if they contain > 3 % w/w DMSO extract
817. Extracts (petroleum), light paraffinic distillate solvent, acid-treated (Cas No 91995-76-5), if they contain > 3 % w/w DMSO extract
818. Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurised (Cas No 91995-77-6), if they contain > 3 % w/w DMSO extract
819. Extracts (petroleum), light vacuum gas oil solvent, hydrotreated (Cas No 91995-79-8), if they contain > 3 % w/w DMSO extract
820. Foots oil (petroleum), hydrotreated (Cas No 92045-12-0), if it contains > 3 % w/w DMSO extract
821. Lubricating oils (petroleum), C<sub>17-35</sub>, solvent-extd., dewaxed, hydrotreated (Cas No 92045-42-6), if they contain > 3 % w/w DMSO extract
822. Lubricating oils (petroleum), hydrocracked nonarom solvent-deparaffined (Cas No 92045-43-7), if they contain > 3 % w/w DMSO extract
823. Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed (Cas No 92061-86-4), if they contain > 3 % w/w DMSO extract
824. Paraffin oils (petroleum), solvent-refined dewaxed heavy (Cas No 92129-09-4), if they contain > 3 % w/w DMSO extract
825. Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated (Cas No 92704- 08-0), if they contain > 3 % w/w DMSO extract
826. Lubricating oils (petroleum), base oils, paraffinic (Cas No 93572-43-1), if they contain > 3 % w/w DMSO extract
827. Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurised (Cas No 93763-10-1), if they contain > 3 % w/w DMSO extract
828. Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulfurised (Cas No 93763-11-2), if they contain > 3 % w/w DMSO extract
829. Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed (Cas No 93763-38-3), if they contain > 3 % w/w DMSO extract
830. Foots oil (petroleum), acid-treated (Cas No 93924-31-3), if it contains > 3 % w/w DMSO extract

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831. Foots oil (petroleum), clay-treated (Cas No 93924-32-4), if it contains > 3 % w/w DMSO extract
832. Hydrocarbons, C<sub>20-50</sub>, residual oil hydrogenation vacuum distillate (Cas No 93924-61-9), if they contain > 3 % w/w DMSO extract
833. Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated (Cas No 94733-08-1), if they contain > 3 % w/w DMSO extract
834. Distillates (petroleum), solvent-refined hydrocracked light (Cas No 94733-09-2), if they contain > 3 % w/w DMSO extract
835. Lubricating oils (petroleum), C<sub>18-40</sub>, solvent-dewaxed hydrocracked distillate-based (Cas No 94733-15-0), if they contain > 3 % w/w DMSO extract
836. Lubricating oils (petroleum), C<sub>18-40</sub>, solvent-dewaxed hydrogenated raffinate-based (Cas No 94733-16-1), if they contain > 3 % w/w DMSO extract
837. Hydrocarbons, C<sub>13-30</sub>, arom.-rich, solvent-extd. naphthenic distillate (Cas No 95371-04-3), if they contain > 3 % w/w DMSO extract
838. Hydrocarbons, C<sub>16-32</sub>, arom. rich, solvent-extd. naphthenic distillate (Cas No 95371-05-4), if they contain > 3 % w/w DMSO extract
839. Hydrocarbons, C<sub>37-68</sub>, dewaxed deasphalted hydrotreated vacuum distn. Residues (Cas No 95371-07-6), if they contain > 3 % w/w DMSO extract
840. Hydrocarbons, C<sub>37-65</sub>, hydrotreated deasphalted vacuum distn. Residues (Cas No 95371-08-7), if they contain > 3 % w/w DMSO extract
841. Distillates (petroleum), hydrocracked solvent-refined light (Cas No 97488-73-8), if they contain > 3 % w/w DMSO extract
842. Distillates (petroleum), solvent-refined hydrogenated heavy (Cas No 97488-74-9), if they contain > 3 % w/w DMSO extract
843. Lubricating oils (petroleum), C<sub>18-27</sub>, hydrocracked solvent-dewaxed (Cas No 97488-95-4), if they contain > 3 % w/w DMSO extract
844. Hydrocarbons, C<sub>17-30</sub>, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights (Cas No 97675-87-1), if they contain > 3 % w/w DMSO extract
845. Hydrocarbons, C<sub>17-40</sub>, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights (Cas No 97722-06-0), if they contain > 3 % w/w DMSO extract
846. Hydrocarbons, C<sub>13-27</sub>, solvent-extd. light naphthenic (Cas No 97722-09-3), if they contain > 3 % w/w DMSO extract
847. Hydrocarbons, C<sub>14-29</sub>, solvent-extd. light naphthenic (Cas No 97722-10-6), if they contain > 3 % w/w DMSO extract
848. Footh oil (petroleum), carbon-treated (Cas No 97862-76-5), if it contains > 3 % w/w DMSO extract
849. Footh oil (petroleum), silicic acid-treated (Cas No 97862-77-6), if it contains > 3 % w/w DMSO extract
850. Hydrocarbons, C<sub>27-42</sub>, dearomatised (Cas No 97862-81-2), if they contain > 3 % w/w DMSO extract
851. Hydrocarbons, C<sub>17-30</sub>, hydrotreated distillates, distn. Lights (Cas No 97862-82-3), if they contain > 3 % w/w DMSO extract
852. Hydrocarbons, C<sub>27-45</sub>, naphthenic vacuum distn. (Cas No 97862-83-4), if they contain > 3 % w/w DMSO extract
853. Hydrocarbons, C<sub>27-45</sub>, dearomatised (Cas No 97926-68-6), if they contain > 3 % w/w DMSO extract
854. Hydrocarbons, C<sub>20-58</sub>, hydrotreated (Cas No 97926-70-0), if they contain > 3 % w/w DMSO extract
855. Hydrocarbons, C<sub>27-42</sub>, naphthenic (Cas No 97926-71-1), if they contain > 3 % w/w DMSO extract
856. Extracts (petroleum), light paraffinic distillate solvent, carbon-treated (Cas No 100684-02-4), if they contain > 3 % w/w DMSO extract

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857. Extracts (petroleum), light paraffinic distillate solvent, clay-treated (Cas No 100684-03-5), if they contain > 3 % w/w DMSO extract
858. Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated (Cas No 100684-04-6), if they contain > 3 % w/w DMSO extract
859. Extracts (petroleum), light vacuum gas oil solvent, clay-treated (Cas No 100684-05-7), if they contain > 3 % w/w DMSO extract
860. Residual oils (petroleum), carbon-treated solvent-dewaxed (Cas No 100684-37-5), if they contain > 3 % w/w DMSO extract
861. Residual oils (petroleum), clay-treated solvent-dewaxed (Cas No 100684-38-6), if they contain > 3 % w/w DMSO extract
862. Lubricating oils (petroleum), C<sub>>25</sub>, solvent-extd., deasphalted, dewaxed, hydrogenated (Cas No 101316-69-2), if they contain > 3 % w/w DMSO extract
863. Lubricating oils (petroleum), C<sub>17-32</sub>, solvent-extd., dewaxed, hydrogenated (Cas No 101316-70-5), if they contain > 3 % w/w DMSO extract
864. Lubricating oils (petroleum), C<sub>20-35</sub>, solvent-extd., dewaxed, hydrogenated (Cas No 101316-71-6), if they contain > 3 % w/w DMSO extract
865. Lubricating oils (petroleum), C<sub>24-50</sub>, solvent-extd., dewaxed, hydrogenated (Cas No 101316-72-7), if they contain > 3 % w/w DMSO extract
866. Distillates (petroleum), sweetened middle (Cas No 64741-86-2), 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
867. Gas oils (petroleum), solvent-refined (Cas No 64741-90-8), 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
868. Distillates (petroleum), solvent-refined middle (Cas No 64741-91-9), 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
869. Gas oils (petroleum), acid-treated (Cas No 64742-12-7), 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
870. Distillates (petroleum), acid-treated middle (Cas No 64742-13-8), 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
871. Distillates (petroleum), acid-treated light (Cas No 64742-14-9), 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
872. Gas oils (petroleum), chemically neutralised (Cas No 64742-29-6), 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
873. Distillates (petroleum), chemically neutralised middle (Cas No 64742-30-9), 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
874. Distillates (petroleum), clay-treated middle (Cas No 64742-38-7), 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
875. Distillates (petroleum), hydrotreated middle (Cas No 64742-46-7), 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
876. Gas oils (petroleum), hydrodesulfurised (Cas No 64742-79-6), 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
877. Distillates (petroleum), hydrodesulfurised middle (Cas No 64742-80-9), 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
878. Distillates (petroleum), catalytic reformer fractionator residue, high-boiling (Cas No 68477-29-2), 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

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879. Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling (Cas No 68477-30-5), 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
880. Distillates (petroleum), catalytic reformer fractionator residue, low-boiling (Cas No 68477-31-6), 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
881. Alkanes, C<sub>12-26</sub>-branched and linear (Cas No 90622-53-0), 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
882. Distillates (petroleum), highly refined middle (Cas No 90640-93-0), 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
883. Distillates (petroleum), catalytic reformer, heavy arom. conc. (Cas No 91995-34-5), 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
884. Gas oils, paraffinic (Cas No 93924-33-5), 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
885. Naphtha (petroleum), solvent-refined hydrodesulfurised heavy (Cas No 97488-96-5), 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
886. Hydrocarbons, C<sub>16-20</sub>, hydrotreated middle distillate, distn. Lights (Cas No 97675-85-9), 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
887. Hydrocarbons, C<sub>12-20</sub>, hydrotreated paraffinic, distn. lights (Cas No 97675-86-0), 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
888. Hydrocarbons, C<sub>11-17</sub>, solvent-extd. light naphthenic (Cas No 97722-08-2), 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
889. Gas oils, hydrotreated (Cas No 97862-78-7), 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
890. Distillates (petroleum), carbon-treated light paraffinic (Cas No 100683-97-4), 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
891. Distillates (petroleum), intermediate paraffinic, carbon-treated (Cas No 100683-98-5), 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
892. Distillates (petroleum), intermediate paraffinic, clay-treated (Cas No 100683-99-6), 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
893. Lubricating greases (Cas No 74869-21-9), 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
894. Slack wax (petroleum) (Cas No 64742-61-6), 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
895. Slack wax (petroleum), acid-treated (Cas No 90669-77-5), 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
896. Slack wax (petroleum), clay-treated (Cas No 90669-78-6), 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

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897. Slack wax (petroleum), hydrotreated (Cas No 92062-09-4), 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
898. Slack wax (petroleum), low-melting (Cas No 92062-10-7), 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
899. Slack wax (petroleum), low-melting, hydrotreated (Cas No 92062-11-8), 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
900. Slack wax (petroleum), low-melting, carbon-treated (Cas No 97863-04-2), 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
901. Slack wax (petroleum), low-melting, clay-treated (Cas No 97863-05-3), 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
902. Slack wax (petroleum), low-melting, silicic acid-treated (Cas No 97863-06-4), 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
903. Slack wax (petroleum), carbon-treated (Cas No 100684-49-9), 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
904. Petrolatum (Cas No 8009-03-8), 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
905. Petrolatum (petroleum), oxidised (Cas No 64743-01-7), 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
906. Petrolatum (petroleum), alumina-treated (Cas No 85029-74-9), 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
907. Petrolatum (petroleum), hydrotreated (Cas No 92045-77-7), 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
908. Petrolatum (petroleum), carbon-treated (Cas No 97862-97-0), 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
909. Petrolatum (petroleum), silicic acid-treated (Cas No 97862-98-1), 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
910. Petrolatum (petroleum), clay-treated (Cas No 100684-33-1), 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
911. Distillates (petroleum), light catalytic cracked (Cas No 64741-59-9)
912. Distillates (petroleum), intermediate catalytic cracked (Cas No 64741-60-2)
913. Distillates (petroleum), light thermal cracked (Cas No 64741-82-8)
914. Distillates (petroleum), hydrodesulfurised light catalytic cracked (Cas No 68333-25-5)
915. Distillates (petroleum), light steam-cracked naphtha (Cas No 68475-80-9)
916. Distillates (petroleum), cracked steam-cracked petroleum distillates (Cas No 68477-38-3)
917. Gas oils (petroleum), steam-cracked (Cas No 68527-18-4)
918. Distillates (petroleum), hydrodesulfurised thermal cracked middle (Cas No 85116-53-6)
919. Gas oils (petroleum), thermal-cracked, hydrodesulfurised (Cas No 92045-29-9)
920. Residues (petroleum), hydrogenated steam-cracked naphtha (Cas No 92062-00-5)

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921. Residues (petroleum), steam-cracked naphtha distn. (Cas No 92062-04-9)
922. Distillates (petroleum), light catalytic cracked, thermally degraded (Cas No 92201-60-0)
923. Residues (petroleum), steam-cracked heat-soaked naphtha (Cas No 93763-85-0)
924. Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurised (Cas No 97926-59-5)
925. Distillates (petroleum), hydrodesulfurised middle coker (Cas No 101316-59-0)
926. Distillates (petroleum), heavy steam-cracked (Cas No 101631-14-5)
927. Residues (petroleum), atm. Tower (Cas No 64741-45-3)
928. Gas oils (petroleum), heavy vacuum (Cas No 64741-57-7)
929. Distillates (petroleum), heavy catalytic cracked (Cas No 64741-61-3)
930. Clarified oils (petroleum), catalytic cracked (Cas No 64741-62-4)
931. Residues (petroleum), catalytic reformer fractionator (Cas No 64741-67-9)
932. Residues (petroleum), hydrocracked (Cas No 64741-75-9)
933. Residues (petroleum), thermal cracked (Cas No 64741-80-6)
934. Distillates (petroleum), heavy thermal cracked (Cas No 64741-81-7)
935. Gas oils (petroleum), hydrotreated vacuum (Cas No 64742-59-2)
936. Residues (petroleum), hydrodesulfurised atmospheric tower (Cas No 64742-78-5)
937. Gas oils (petroleum), hydrodesulfurised heavy vacuum (Cas No 64742-86-5)
938. Residues (petroleum), steam-cracked (Cas No 64742-90-1)
939. Residues (petroleum), atmospheric (Cas No 68333-22-2)
940. Clarified oils (petroleum), hydrodesulfurised catalytic cracked (Cas No 68333-26-6)
941. Distillates (petroleum), hydrodesulfurised intermediate catalytic cracked (Cas No 68333-27-7)
942. Distillates (petroleum), hydrodesulfurised heavy catalytic cracked (Cas No 68333-28-8)
943. Fuel oil, residues-straight-run gas oils, high-sulfur (Cas No 68476-32-4)
944. Fuel oil, residual (Cas No 68476-33-5)
945. Residues (petroleum), catalytic reformer fractionator residue distn. (Cas No 68478-13-7)
946. Residues (petroleum), heavy coker gas oil and vacuum gas oil (Cas No 68478-17-1)
947. Residues (petroleum), heavy coker and light vacuum (Cas No 68512-61-8)
948. Residues (petroleum), light vacuum (Cas No 68512-62-9)
949. Residues (petroleum), steam-cracked light (Cas No 68513-69-9)
950. Fuel oil, No 6 (Cas No 68553-00-4)
951. Residues (petroleum), topping plant, low-sulfur (Cas No 68607-30-7)
952. Gas oils (petroleum), heavy atmospheric (Cas No 68783-08-4)
953. Residues (petroleum), coker scrubber, condensed-ring-arom.-contg (Cas No 68783-13-1)
954. Distillates (petroleum), petroleum residues vacuum (Cas No 68955-27-1)
955. Residues (petroleum), steam-cracked, resinous (Cas No 68955-36-2)
956. Distillates (petroleum), intermediate vacuum (Cas No 70592-76-6)

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957. Distillates (petroleum), light vacuum (Cas No 70592-77-7)
958. Distillates (petroleum), vacuum (Cas No 70592-78-8)
959. Gas oils (petroleum), hydrodesulfurised coker heavy vacuum (Cas No 85117-03-9)
960. Residues (petroleum), steam-cracked, distillates (Cas No 90669-75-3)
961. Residues (petroleum), vacuum, light (Cas No 90669-76-4)
962. Fuel oil, heavy, high-sulfur (Cas No 92045-14-2)
963. Residues (petroleum), catalytic cracking (Cas No 92061-97-7)
964. Distillates (petroleum), intermediate catalytic cracked, thermally degraded (Cas No 92201-59-7)
965. Residual oils (petroleum) (Cas No 93821-66-0)
966. Residues, steam cracked, thermally treated (Cas No 98219-64-8)
967. Distillates (petroleum), hydrodesulfurised full-range middle (Cas No 101316-57-8)
968. Distillates (petroleum), light paraffinic (Cas No 64741-50-0)
969. Distillates (petroleum), heavy paraffinic (Cas No 64741-51-1)
970. Distillates (petroleum), light naphthenic (Cas No 64741-52-2)
971. Distillates (petroleum), heavy naphthenic (Cas No 64741-53-3)
972. Distillates (petroleum), acid-treated heavy naphthenic (Cas No 64742-18-3)
973. Distillates (petroleum), acid-treated light naphthenic (Cas No 64742-19-4)
974. Distillates (petroleum), acid-treated heavy paraffinic (Cas No 64742-20-7)
975. Distillates (petroleum), acid-treated light paraffinic (Cas No 64742-21-8)
976. Distillates (petroleum), chemically neutralised heavy paraffinic (Cas No 64742-27-4)
977. Distillates (petroleum), chemically neutralised light paraffinic (Cas No 64742-28-5)
978. Distillates (petroleum), chemically neutralised heavy naphthenic (Cas No 64742-34-3)
979. Distillates (petroleum), chemically neutralised light naphthenic (Cas No 64742-35-4)
980. Extracts (petroleum), light naphthenic distillate solvent (Cas No 64742-03-6)
981. Extracts (petroleum), heavy paraffinic distillate solvent (Cas No 64742-04-7)
982. Extracts (petroleum), light paraffinic distillate solvent (Cas No 64742-05-8)
983. Extracts (petroleum), heavy naphthenic distillate solvent (Cas No 64742-11-6)
984. Extracts (petroleum), light vacuum gas oil solvent (Cas No 91995-78-7)
985. Hydrocarbons, C<sub>26-55</sub>, arom. Rich (Cas No 97722-04-8)
986. Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (Cas No 573-58-0)
987. Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (Cas No 1937-37-7)
988. Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] (Cas No 2602-46-2)
989. 4-o-Tolylazo-o-toluidine (Cas No 97-56-3)
990. 4-Aminoazobenzene (Cas No 60-09-3)



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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-) (Cas No 16071-86-6)
992. Resorcinol diglycidyl ether (Cas No 101-90-6)
993. 1,3-Diphenylguanidine (Cas No 102-06-7)
994. Heptachlor-epoxide (Cas No 1024-57-3)
995. 4-Nitrosophenol (Cas No 104-91-6)
996. Carbendazim (Cas No 10605-21-7)
997. Allyl glycidyl ether (Cas No 106-92-3)
998. Chloroacetaldehyde (Cas No 107-20-0)
999. Hexane (Cas No 110-54-3)
1000. 2-(2-Methoxyethoxy)ethanol (Cas No 111-77-3)
1001. (+/-)-2-(2,4-Dichlorophenyl)-3-(1*H*-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethylether (Cas No 112281-77-3)
1002. 4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone (Cas No 114565-66-1)
1003. 5,6,12,13-Tetrachloroanthra(2,1,9-*def*:6,5,10-*d'e'f'*)diisoquinoline-1,3,8,10(2*H*,9*H*)-tetrone (Cas No 115662-06-1)
1004. tris(2-Chloroethyl) phosphate (Cas No 115-96-8)
1005. 4'-Ethoxy-2-benzimidazoleanilide (Cas No 120187-29-3)
1006. Nickel dihydroxide (Cas No 12054-48-7)
1007. N,N-Dimethylaniline (Cas No 121-69-7)
1008. Simazine (Cas No 122-34-9)
1009. Bis(cyclopentadienyl)-bis(2,6-difluoro-3-(pyrrol-1-yl)-phenyl)titanium (Cas No 125051-32-3)
1010. N,N,N',N'-Tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane (Cas No 130728-76-6)
1011. Divanadium pentaoxide (Cas No 1314-62-1)
1012. Alkali salts of pentachlorophenol (Cas Nos 131-52-2 and 7778-73-6)
1013. Phosphamidon (Cas No 13171-21-6)
1014. *N*-(Trichloromethylthio)phthalimide (Cas No 133-07-3)
1015. N-2-Naphthylaniline (Cas No 135-88-6)
1016. Ziram (Cas No 137-30-4)
1017. 1-Bromo-3,4,5-trifluorobenzene (Cas No 138526-69-9)
1018. Propazine (Cas No 139-40-2)
1019. 3-(4-Chlorophenyl)-1,1-dimethyluronium trichloroacetate; monuron-TCA (Cas No 140-41-0)
1020. Isoxaflutole (Cas No 141112-29-0)
1021. Kresoxim-methyl (Cas No 143390-89-0)
1022. Chlordecone (Cas No 143-50-0)
1023. 9-Vinylcarbazole (Cas No 1484-13-5)
1024. 2-Ethylhexanoic acid (Cas No 149-57-5)
1025. Monuron (Cas No 150-68-5)
1026. Morpholine-4-carbonyl chloride (Cas No 15159-40-7)
1027. Daminozide (Cas No 1596-84-5)
1028. Alachlor (Cas No 15972-60-8)

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1029. UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C<sub>16-18</sub> tallow alkylamine (Cas No 166242-53-1)
1030. Ioxynil (Cas No 1689-83-4)
1031. 3,5-Dibromo-4-hydroxybenzotrile (Cas No 1689-84-5)
1032. 2,6-Dibromo-4-cyanophenyl octanoate (Cas No 1689-99-2)
1033. [4-[[4-(Dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt (Cas No 1694-09-3)
1034. 5-Chloro-1,3-dihydro-2*H*-indol-2-one (Cas No 17630-75-0)
1035. Benomyl (Cas No 17804-35-2)
1036. Chlorothalonil (Cas No 1897-45-6)
1037. *N'*-(4-Chloro-*o*-tolyl)-*N,N*-dimethylformamide monohydrochloride (Cas No 19750-95-9)
1038. 4,4'-Methylenebis(2-ethylaniline) (Cas No 19900-65-3)
1039. Valinamide (Cas No 20108-78-5)
1040. [(*p*-Tolyloxy)methyl]oxirane (Cas No 2186-24-5)
1041. [(*m*-Tolyloxy)methyl]oxirane (Cas No 2186-25-6)
1042. 2,3-Epoxypropyl *o*-tolyl ether (Cas No 2210-79-9)
1043. [(Tolyloxy)methyl]oxirane, cresyl glycidyl ether (Cas No 26447-14-3)
1044. Di-allate (Cas No 2303-16-4)
1045. Benzyl 2,4-dibromobutanoate (Cas No 23085-60-1)
1046. Trifluoriodomethane (Cas No 2314-97-8)
1047. Thiophanate-methyl (Cas No 23564-05-8)
1048. Dodecachloropentacyclo[5.2.1.0<sup>2,6</sup>.0<sup>3,9</sup>.0<sup>5,8</sup>]decane (Cas No 2385-85-5)
1049. Propyzamide (Cas No 23950-58-5)
1050. Butyl glycidyl ether (Cas No 2426-08-6)
1051. 2,3,4-Trichlorobut-1-ene (Cas No 2431-50-7)
1052. Chinomethionate (Cas No 2439-01-2)
1053. (*R*)- $\alpha$ -Phenylethylammonium (-)-(1*R*,2*S*)-(1,2-epoxypropyl)phosphonate monohydrate (Cas No 25383-07-7)
1054. 5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (Cas No 2593-15-9)
1055. Disperse Yellow 3 (Cas No 2832-40-8)
1056. 1,2,4-Triazole (Cas No 288-88-0)
1057. Aldrin (Cas No 309-00-2)
1058. Diuron (Cas No 330-54-1)
1059. Linuron (Cas No 330-55-2)
1060. Nickel carbonate (Cas No 3333-67-3)
1061. 3-(4-Isopropylphenyl)-1,1-dimethylurea (Cas No 34123-59-6)
1062. Iprodione (Cas No 36734-19-7)
1063. 4-Cyano-2,6-diiodophenyl octanoate (Cas No 3861-47-0)
1064. 5-(2,4-Dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethylterahydrofuran (Cas No 41107-56-6)
1065. Crotonaldehyde (Cas No 4170-30-3)
1066. Hexahydrocyclopenta(c)pyrrole-1-(1*H*)-ammonium *N*-ethoxycarbonyl-*N*-(*p*-olylsulfonyl)azanide (EC No 418-350-1)
1067. 4,4'-Carbonimidoylbis[*N,N*-dimethylaniline] (Cas No 492-80-8)

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1068. DNOC (Cas No 534-52-1)
1069. Toluidinium chloride (Cas No 540-23-8)
1070. Toluidine sulphate (1:1) (Cas No 540-25-0)
1071. 2-(4-tert-Butylphenyl)ethanol (Cas No 5406-86-0)
1072. Fenthion (Cas No 55-38-9)
1073. Chlordane, pur (Cas No 57-74-9)
1074. Hexan-2-one (Cas No 591-78-6)
1075. Fenarimol (Cas No 60168-88-9)
1076. Acetamide (Cas No 60-35-5)
1077. *N*-cyclohexyl-*N*-methoxy-2,5-dimethyl-3-furamide (Cas No 60568-05-0)
1078. Dieldrin (Cas No 60-57-1)
1079. 4,4'- Isobutylethylidenediphenol (Cas No 6807-17-6)
1080. Chlordimeform (Cas No 6164-98-3)
1081. Amitrole (Cas No 61-82-5)
1082. Carbaryl (Cas No 63-25-2)
1083. Distillates (petroleum), light hydrocracked. (Cas No 64741-77-1)
1084. 1-Ethyl-1-methylmorpholinium bromide (Cas No 65756-41-4)
1085. (3-Chlorophenyl)-(4-methoxy-3-nitrophenyl)methanone (Cas No 66938-41-8)
1086. Fuels, diesel (Cas No 68334-30-5), 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
1087. Fuel oil, no. 2 (Cas No 68476-30-2)
1088. Fuel oil, no. 4 (Cas No 68476-31-3)
1089. Fuels, diesel, no. 2 (Cas No 68476-34-6)
1090. 2,2-Dibromo-2-nitroethanol (Cas No 69094-18-4)
1091. 1-Ethyl-1-methylpyrrolidinium bromide (Cas No 69227-51-6)
1092. Monocrotophos (Cas No 6923-22-4)
1093. Nickel (Cas No 7440-02-0)
1094. Bromomethane (Cas No 74-83-9)
1095. Chloromethane (Cas No 74-87-3)
1096. Iodomethane (Cas No 74-88-4)
1097. Bromoethane (Cas No 74-96-4)
1098. Heptachlor (Cas No 76-44-8)
1099. Fentin hydroxide (Cas No 76-87-9)
1100. Nickel sulphate (Cas No 7786-81-4)
1101. 3,5,5-Trimethylcyclohex-2-enone (Cas No 78-59-1)
1102. 2,3-Dichloropropene (Cas No 78-88-6)
1103. Fluzifop-P-butyl (Cas No 79241-46-6)
1104. (*S*)-2,3-Dihydro-1*H*-indole-carboxylic acid (Cas No 79815-20-6)
1105. Toxaphene (Cas No 8001-35-2)
1106. (4-Hydrazinophenyl)-*N*-methylmethanesulfonamide hydrochloride  
(Cas No 81880-96-8)
1107. ► **C8** C.I Solvent yellow 14 (CAS No 842-07-9) ◀
1108. Chlozolate (Cas No 84332-86-5)
1109. Alkanes, C<sub>10-13</sub>, chloro (Cas No 85535-84-8)

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1110. Pentachlorophenol (Cas No 87-86-5)
1111. 2,4,6-Trichlorophenol (Cas No 88-06-2)
1112. Diethylcarbamoyl-chloride (Cas No 88-10-8)
1113. 1-Vinyl-2-pyrrolidone (Cas No 88-12-0)
1114. Myclobutanil; 2-(4-chlorophenyl)-2-(1*H*-1,2,4-triazol-1-ylmethyl)hexanenitrile (Cas No 88671-89-0)
1115. Fentin acetate (Cas No 900-95-8)
1116. Biphenyl-2-ylamine (Cas No 90-41-5)
1117. *Trans*-4-cyclohexyl-L-proline monohydro-chloride (Cas No 90657-55-9)
1118. 2-Methyl-m-phenylene diisocyanate (Cas No 91-08-7)
1119. 4-Methyl-m-phenylene diisocyanate (Cas No 584-84-9)
1120. m-Tolyldiene diisocyanate (Cas No 26471-62-5)
1121. Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated (Cas No 94114-58-6)
1122. Fuels, diesel, coal solvent extn., hydrocracked hydrogenated (Cas No 94114-59-7)
1123. Pitch (Cas No 61789-60-4), if it contains > 0,005 % w/w benzo[a]pyrene
1124. 2-Butanone oxime (Cas No 96-29-7)
1125. Hydrocarbons, C<sub>16-20</sub>, solvent-dewaxed hydrocracked paraffinic distn. Residue (Cas No 97675-88-2)
1126.  $\alpha,\alpha$ -Dichlorotoluene (Cas No 98-87-3)
1127. ► **C8** 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 (Na<sub>2</sub>O + K<sub>2</sub>O + CaO + MgO + BaO) content greater than 18 % by weight] ◀
1128. ► **C8** Reaction product of acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid (EC No 406-230-1) ◀
1129. Salts of 4,4'-carbonimidoylbis[N,N-dimethylaniline]
1130. 1,2,3,4,5,6-Hexachlorocyclohexanes with the exception of those specified elsewhere in this Annex
1131. ► **C8** Trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulfonato-1-naphtholato)chromate(1-) (EC No 400-810-8) ◀
1132. ► **C8** 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 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 (EC No 417-470-1) ◀

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1133. Costus root oil (*Saussurea lappa Clarke*) (CAS No 8023-88-9), when used as a fragrance ingredient
1134. 7-Ethoxy-4-methylcoumarin (CAS No 87-05-8), when used as a fragrance ingredient
1135. Hexahydrocoumarin (CAS No 700-82-3), when used as a fragrance ingredient
1136. ► **M57** Exudation of *Myroxylon pereirae* (Royle) Klotzch (Peru balsam, crude); CAS No 8007-00-9) when used as fragrance ingredient ◀

## ▼M47

Ref. No	Chemical name	CAS No EC No
1137	isobutyl nitrite	542-56-3
1138	isoprene (stabilized) (2-methyl-1,3-butadiene)	78-79-5
1139	1-bromopropane n-propyl bromide	106-94-5
1140	chloroprene (stabilized) (2-chlorobuta-1,3-diene)	126-99-8
1141	1,2,3-trichloropropane	96-18-4
1142	ethylene glycol dimethyl ether (EGDME)	110-71-4
1143	dinocap (ISO)	39300-45-3
1144	diaminotoluene, technical product -mixture of [4-methyl- <i>m</i> -phenylene diamine] <sup>(1)</sup> and [2-methyl- <i>m</i> -phenylene diamine] <sup>(2)</sup> methyl-phenylenediamine	25376-45-8
1145	<i>p</i> -chlorobenzotrichloride	5216-25-1
1146	diphenylether; octabromo derivate	32536-52-0
1147	1,2-bis(2-methoxyethoxy)ethane triethylene glycol dimethyl ether (TEGDME)	112-49-2
1148	tetrahydrothiopyran-3-carboxaldehyde	61571-06-0
1149	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
1150	oxiranemethanol, 4-methylbenzene-sulfonate, (S)-	70987-78-9
1151	1,2-benzenedicarboxylic acid, dipentylester, branched and linear [1] n-pentyl-isopentylphthalate [2] di-n-pentyl phthalate [3] diisopentylphthalate [4]	84777-06-0 [1] -[2] 131-18-0 [3] 605-50-5 [4]
1152	benzyl butyl phthalate (BBP)	85-68-7
1153	1,2-benzenedicarboxylic acid di-C 7-11, branched and linear alkyl-esters	68515-42-4
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	EC No 402-660-9
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	EC No 401-500-5
1156	2-[2-hydroxy-3-(2-chlorophenyl) carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)-2-[2-hydroxy-3-(3-methylphenyl)-carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)-carbamoyl-1-naphthylazo]fluoren-9-one	EC No 420-580-2
1157	azafenidin	68049-83-2
1158	2,4,5-trimethylaniline [1] 2,4,5-trimethylaniline hydrochloride [2]	137-17-7 [1] 21436-97-5 [2]

▼ **M47**

Ref. No	Chemical name	CAS No EC No
1159	4,4'-thiodianiline and its salts	139-65-1
1160	4,4'-oxydianiline ( <i>p</i> -aminophenyl ether) and its salts	101-80-4
1161	<i>N,N,N',N'</i> -tetramethyl-4,4'-methyldianiline	101-61-1
1162	6-methoxy- <i>m</i> -toluidine ( <i>p</i> -cresidine)	120-71-8
1163	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
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	EC No 421-550-1
1165	2-nitrotoluene	88-72-2
1166	tributyl phosphate	126-73-8
1167	naphthalene	91-20-3
1168	nonylphenol [1] 4-nonylphenol, branched [2]	25154-52-3 [1] 84852-15-3 [2]
1169	1,1,2-trichloroethane	79-00-5
1170	pentachloroethane	76-01-7
1171	vinylidene chloride (1,1-dichloroethylene)	75-35-4
1172	allyl chloride (3-chloropropene)	107-05-1
1173	1,4-dichlorobenzene ( <i>p</i> -dichlorobenzene)	106-46-7
1174	bis(2-chloroethyl) ether	111-44-4
1175	phenol	108-95-2
1176	bisphenol A (4,4'-isopropylidenediphenol)	80-05-7
1177	trioxymethylene (1,3,5-trioxan)	110-88-3
1178	propargite (ISO)	2312-35-8
1179	1-chloro-4-nitrobenzene	100-00-5
1180	molinate (ISO)	2212-67-1
1181	fenpropimorph	67564-91-4

▼ **M50**▼ **M47**

1183	methyl isocyanate	624-83-9
1184	<i>N,N</i> -dimethylanilinium tetrakis(pentafluorophenyl)borate	118612-00-3
1185	<i>O,O'</i> -(ethenylmethylsilylene) di[(4-methylpentan-2-one) oxime]	EC No 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

## ▼M47

Ref. No	Chemical name	CAS No EC No
1187	a mixture of: reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalenesulfonate (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)	EC No 417-980-4
1188	malachite green hydrochloride [1] malachite green oxalate [2]	569-64-2 [1] 18015-76-4 [2]
1189	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	107534-96-3
1190	5-(3-butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one	138164-12-2
1191	trans-4-phenyl-L-proline	96314-26-0
1192	bromoxynil heptanoate (ISO)	56634-95-8
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
1194	2-{4-(2-ammoniopropylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenylazo)-2-sulfonatophenylamino]-1,3,5-triazin-2-ylamino}-2-aminopropyl formate	EC No 424-260-3
1195	5-nitro- <i>o</i> -toluidine [1] 5-nitro- <i>o</i> -toluidine hydrochloride [2]	99-55-8 [1] 51085-52-0 [2]
1196	1-(1-naphthylmethyl)quinolinium	65322-65-8
1197	(R)-5-bromo-3-(1-methyl-2-pyrrolidinyl methyl)-1H-indole	143322-57-0
1198	pymetrozine (ISO)	123312-89-0
1199	oxadiargyl (ISO)	39807-15-3
1200	chlorotoluron (3-(3-chloro- <i>p</i> -tolyl)-1,1-dimethylurea)	15545-48-9
1201	N-[2-(3-acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl] acetamide	EC No 416-860-9
1202	1,3-bis(vinylsulfonylacetamido)-propane	93629-90-4
1203	<i>p</i> -phenetidine (4-ethoxyaniline)	156-43-4
1204	<i>m</i> -phenylenediamine and its salts	108-45-2
1205	residues (coal tar), creosote oil distn., if it contains > 0,005 % w/w benzo[a]pyrene	92061-93-3
1206	creosote oil, acenaphthene fraction, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	90640-84-9
1207	creosote oil, if it contains > 0,005 % w/w benzo[a]pyrene	61789-28-4
1208	creosote, if it contains > 0,005 % w/w benzo[a]pyrene	8001-58-9
1209	creosote oil, high-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-79-8
1210	extract residues (coal), creosote oil acid, wash oil extract residue, if it contains > 0,005 % w/w benzo[a]pyrene	122384-77-4

▼ M47

Ref. No	Chemical name	CAS No EC No
1211	creosote oil, low-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-80-1

▼ M48

1212	6-Methoxy-2,3-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	94166-62-8
1213	2,3-Naphthalenediol, when used as a substance in hair dye products	92-44-4
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- <i>p</i> -Aminophenol and its HCl salt, when used as a substance in hair dye products	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
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
1220	4-Hydroxyindole, when used as a substance in hair dye products	2380-94-1
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- <i>m</i> -Aminophenol, when used as a substance in hair dye products	91-68-9
1224	N,N-Dimethyl-2,6-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	
1225	N-Cyclopentyl- <i>m</i> -Aminophenol, when used as a substance in hair dye products	104903-49-3
1226	N-(2-Methoxyethyl)- <i>p</i> -phenylenediamine and its HCl salt, when used as a substance in hair dye products	72584-59-9
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
1229	3,4-Diaminobenzoic acid, when used as a substance in hair dye products	619-05-6
1230	2-Aminomethyl- <i>p</i> -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
1232	Acid Orange 24 (CI 20170), when used as a substance in hair dye products	1320-07-6
1233	Acid Red 73 (CI 27290), when used as a substance in hair dye products	5413-75-2

▼ M50

1234	PEG-3,3',2',2'-di- <i>p</i> -Phenylenediamine	144644-13-3
1235	6-Nitro- <i>o</i> -Toluidine	570-24-1
1236	HC Yellow No 11	73388-54-2
1237	HC Orange No 3	81612-54-6
1238	HC Green No 1	52136-25-1
1239	HC Red No 8 and its salts	97404-14-3, 13556-29-1



▼ **M50**

Ref. No	Chemical name	CAS No EC No
1240	Tetrahydro-6-nitroquinoxaline and its salts	158006-54-3, 41959-35-7
1241	Disperse Red 15, except as impurity in Disperse Violet 1	116-85-8
1242	4-amino-3-fluorophenol	399-95-1
1243	N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)propanediamide Bishydroxyethyl Biscetyl Malonamide	149591-38-8

▼ **M54**

1244	1-Methyl-2,4,5-trihydroxybenzene (CAS No 1124-09-0) and its salts, when used as a substance in hair dye products	
1245	2,6-Dihydroxy-4-methylpyridine (CAS No 4664-16-8) and its salts, when used as a substance in hair dye products	
1246	5-Hydroxy-1,4-benzodioxane (CAS No 10288-36-5) and its salts, when used as a substance in hair dye products	
1247	3,4-Methylenedioxyphenol (CAS No 533-31-3) and its salts, when used as a substance in hair dye products	
1248	3,4-Methylenedioxyaniline (CAS No 14268-66-7) and its salts, when used as a substance in hair dye products	
1249	Hydroxypyridinone (CAS No 822-89-9) and its salts, when used as a substance in hair dye products	
1250	3-Nitro-4-aminophenoxyethanol (CAS No 50982-74-6) and its salts, when used as a substance in hair dye products	
1251	2-methoxy-4-nitrophenol (CAS No 3251-56-7) (4-Nitroguaiacol) and its salts, when used as a substance in hair dye products	
1252	C.I. Acid Black 131 (CAS No 12219-01-1) and its salts, when used as a substance in hair dye products	
1253	1,3,5-Trihydroxybenzene (CAS No 108-73-6) (Phloroglucinol) and its salts, when used as a substance in hair dye products	
1254	1,2,4-Benzenetriacetate (CAS No 613-03-6) and its salts, when used as a substance in hair dye products	
1255	Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2-nitro-1,4-benzenediamine (CAS No 68478-64-8) (CAS 158571-58-5) (HC Blue No 5) and its salts, when used as a substance in hair dye products	
1256	N-Methyl-1,4-diaminoanthraquinone, reaction products with epichlorohydrin and monoethanolamine (CAS No 158571-57-4) (HC Blue No 4) and its salts, when used as a substance in hair dye products	
1257	4-Aminobenzenesulfonic acid (CAS No 121-57-3) and its salts, when used as a substance in hair dye products	
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	
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	
1260	2,2'-((3-Chloro-4-((2,6-dichloro-4-nitrophenyl)azo)phenyl)imino) bisethanol (CAS No 23355-64-8) (Disperse Brown 1) and its salts, when used as a substance in hair dye products	
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	

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Ref. No	Chemical name	CAS No EC No
1262	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutanamide (CAS No 13515-40-7) (Pigment Yellow 73) and its salts, when used as a substance in hair dye products	
1263	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-N-phenylbutanamide] (CAS No 6358-85-6) (Pigment Yellow 12) and its salts, when used as a substance in hair dye products	
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	
1265	2,3-Dihydro-2,2-dimethyl-6-[(4-(phenylazo)-1-naphthalenyl)azo]-1H-pyrimidine (CAS No 4197-25-5) (Solvent Black 3) and its salts, when used as a substance in hair dye products	
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	
1267	2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[(4-sulfofenyl)azo]phenyl]azo]- and its salts, when used as a substance in hair dye products	
1268	(μ-((7,7'-Iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl)phenyl)azo)naphthalene-2-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	
1270	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[[2-sulfo-4-[(4-sulfofenyl)azo]phenyl]azo]-, (CAS No 25188-41-4) and its salts, when used as a substance in hair dye products	
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	
1272	3H-Indolium, 2-[[[(4-methoxyphenyl)methyl]hydrazono]methyl]-1,3,3-trimethyl- and its salts, when used as a substance in hair dye products	
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	
1274	Nigrosine spirit soluble (CAS No 11099-03-9) (Solvent Black 5), when used as a substance in hair dye products	
1275	Phenoxazin-5-ium, 3,7-bis(diethylamino)-, (CAS No 47367-75-9) and its salts, when used as a substance in hair dye products	
1276	Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts, when used as a substance in hair dye products	
1277	6-Amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)-dione (CAS No 2478-20-8) (Solvent Yellow 44) and its salts, when used as a substance in hair dye products	
1278	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone (CAS No 12217-43-5) and its salts, when used as a substance in hair dye products	
1279	Laccic Acid (CI Natural Red 25) (CAS No 60687-93-6) and its salts, when used as a substance in hair dye products	
1280	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, (CAS No 15347-52-1) and its salts, when used as a substance in hair dye products	

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Ref. No	Chemical name	CAS No EC No
1281	4-[(4-Nitrophenyl)azo]aniline (CAS No 730-40-5) (Disperse Orange 3) and its salts, when used as a substance in hair dye products	
1282	4-Nitro-m-phenylenediamine (CAS No 5131-58-8) and its salts, when used as a substance in hair dye products	
1283	1-Amino-4-(methylamino)-9,10-anthracenedione (CAS No 1220-94-6) (Disperse Violet 4) and its salts, when used as a substance in hair dye products	
1284	N-Methyl-3-nitro-p-phenylenediamine (CAS No 2973-21-9) and its salts, when used as a substance in hair dye products	
1285	N1-(2-Hydroxyethyl)-4-nitro-o-phenylenediamine (CAS No 56932-44-6) (HC Yellow No 5) and its salts, when used as a substance in hair dye products	
1286	N1-(Tris(hydroxymethyl)methyl-4-nitro-1,2-phenylenediamine (CAS No 56932-45-7) (HC Yellow No 3) and its salts, when used as a substance in hair dye products	
1287	2-Nitro-N-hydroxyethyl-p-anisidine (CAS No 57524-53-5) and its salts, when used as a substance in hair dye products	
1288	N,N'-Dimethyl-N-Hydroxyethyl-3-nitro-p-phenylenediamine (CAS No 10228-03-2) and its salts, when used as a substance in hair dye products	
1289	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol (CAS No 93633-79-5) and its salts, when used as a substance in hair dye products	
1290	4-Ethylamino-3-nitrobenzoic acid (CAS No 2788-74-1) (N-Ethyl-3-Nitro PABA) and its salts, when used as a substance in hair dye products	
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	
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	
1293	m-Phenylenediamine, 4-(phenylazo)-, (CAS No 495-54-5) and its salts, when used as a substance in hair dye products	
1294	1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts, when used as a substance in hair dye products	
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	
1296	4,4'-[(4-Methyl-1,3-phenylene)bis(azo)]bis[6-methyl-1,3-benzene-diamine] (CAS No 4482-25-1) (Basic Brown 4) and its salts, when used as a substance in hair dye products	
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	
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	
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	

## ▼ M54

Ref. No	Chemical name	CAS No EC No
1300	9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)- (CAS No 86722-66-9) and its derivatives and salts, when used as a substance in hair dye products	
1301	1,4-Diamino-2-methoxy-9,10-anthracenedione (CAS No 2872-48-2) (Disperse Red 11) and its salts, when used as a substance in hair dye products	
1302	1,4-Dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone (CAS No 3179-90-6) (Disperse Blue 7) and its salts, when used as a substance in hair dye products	
1303	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts, when used as a substance in hair dye products	
1304	N-[6-[(2-Chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide (CAS No 66612-11-1) (HC Yellow No 8) and its salts, when used as a substance in hair dye products	
1305	[6-[[3-Chloro-4-(methylamino)phenyl]imino]-4-methyl-3-oxocyclohexa-1,4-dien-1-yl]urea (CAS No 56330-88-2) (HC Red No 9) and its salts, when used as a substance in hair dye products	
1306	Phenothiazin-5-ium, 3,7-bis(dimethylamino)- and its salts, when used as a substance in hair dye products	
1307	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts, when used as a substance in hair dye products	
1308	5-Amino-2,6-Dimethoxy-3-Hydroxypyridine (CAS No 104333-03-1) and its salts, when used as a substance in hair dye products	
1309	4,4'-Diaminodiphenylamine (CAS No 537-65-5) and its salts, when used as a substance in hair dye products	
1310	4-Diethylamino-o-toluidine (CAS No 148-71-0) and its salts, when used as a substance in hair dye products	
1311	N,N-Diethyl-p-phenylenediamine (CAS No 93-05-0) and its salts, when used as a substance in hair dye products	
1312	N,N-Dimethyl-p-phenylenediamine (CAS No 99-98-9) and its salts, when used as a substance in hair dye products	
1313	Toluene-3,4-Diamine (CAS No 496-72-0) and its salts, when used as a substance in hair dye products	
1314	2,4-Diamino-5-methylphenoxyethanol (CAS No 141614-05-3) and its salts, when used as a substance in hair dye products	
1315	6-Amino-o-cresol (CAS No 17672-22-9) and its salts, when used as a substance in hair dye products	
1316	Hydroxyethylaminomethyl-p-aminophenol (CAS No 110952-46-0) and its salts, when used as a substance in hair dye products	
1317	2-Amino-3-nitrophenol (CAS No 603-85-0) and its salts, when used as a substance in hair dye products	
1318	2-Chloro-5-nitro-N-hydroxyethyl-p-phenylenediamine (CAS No 50610-28-1) and its salts, when used as a substance in hair dye products	
1319	2-Nitro-p-phenylenediamine (CAS No 5307-14-2) and its salts, when used as a substance in hair dye products	
1320	Hydroxyethyl-2,6-dinitro-p-anisidine (CAS No 122252-11-3) and its salts, when used as a substance in hair dye products	
1321	6-Nitro-2,5-pyridinediamine (CAS No 69825-83-8) and its salts, when used as a substance in hair dye products	

▼ **M54**

Ref. No	Chemical name	CAS No EC No
1322	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl- and its salts, when used as a substance in hair dye products	
1323	3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid (CAS No 16279-54-2) and its salts, when used as a substance in hair dye products	
1324	3-[(2-nitro-4-(trifluoromethyl)phenyl)amino]propane-1,2-diol (CAS No 104333-00-8) (HC Yellow No 6) and its salts, when used as a substance in hair dye products	
1325	2-[(4-chloro-2-nitrophenyl)amino]ethanol (CAS No 59320-13-7) (HC Yellow No 12) and its salts, when used as a substance in hair dye products	
1326	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1,2-Propanediol (CAS No 173994-75-7) and its salts, when used as a substance in hair dye products	
1327	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1,2-Propanediol (CAS No 114087-41-1) and its salts, when used as a substance in hair dye products	
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	

▼ **M58**

1329	4-[(4-Aminophenyl)(4-iminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine (CAS 3248-93-9; EINECS 221-832-2) and its hydrochloride salt (Basic Violet 14; CI 42510) (CAS 632-99-5; EINECS 211-189-6) when used as a substance in hair dye products	
1330	4-(2,4-Dihydroxyphenylazo)benzenesulphonic acid (CAS 2050-34-2; EINECS 218-087-0) and its sodium salt (Acid Orange 6; CI 14270) (CAS 547-57-9; EINECS 208-924-8) when used as a substance in hair dye products	
1331	3-Hydroxy-4-(phenylazo)-2-naphthoic acid (CAS 27757-79-5; EINECS 248-638-0) and its calcium salt (Pigment Red 64:1; CI 15800) (CAS 6371-76-2; EINECS 228-899-7), when used as a substance in hair dye products	
1332	2-(6-Hydroxy-3-oxo-(3H)-xanthen-9-yl)benzoic acid; Fluorescein (CAS 2321-07-5; EINECS 219-031-8) and its disodium salt (Acid yellow 73 sodium salt; CI 45350) (CAS 518-47-8; EINECS 208-253-0), when used as a substance in hair dye products	
1333	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one; 4',5'-Dibromofluorescein; (Solvent Red 72) (CAS 596-03-2; EINECS 209-876-0) and its disodium salt (CI 45370) (CAS 4372-02-5; EINECS 224-468-2) when used as a substance in hair dye products	
1334	2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)-benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43) (CAS 15086-94-9; EINECS 239-138-3), its disodium salt (Acid Red 87; CI 45380) (CAS 17372-87-1; EINECS 241-409-6) and its aluminium salt (Pigment Red 90:1 Aluminium lake) (CAS 15876-39-8; EINECS 240-005-7) when used as a substance in hair dye products	
1335	Xanthylium, 9-(2-carboxyphenyl)-3-(2-methylphenyl)amino)-6-((2-methyl-4-sulfophenyl)amino)-, inner salt (CAS 10213-95-3); and its sodium salt (Acid Violet 9; CI 45190) (CAS 6252-76-2; EINECS 228-377-9) when used as a substance in hair dye products	
1336	3',6'-Dihydroxy-4',5'-diiodospiro(isobenzofuran-1(3H),9'-[9H]xanthene)-3-one; (Solvent Red 73) (CAS 38577-97-8; EINECS 254-010-7) and its sodium salt (Acid Red 95; CI 45425) (CAS 33239-	

## ▼M58

Ref. No	Chemical name	CAS No EC No
	19-9; EINECS 251-419-2) when used as a substance in hair dye products	
1337	2',4',5',7'-Tetraiodofluorescein (CAS 15905-32-5; EINECS 240-046-0), its disodium salt (Acid Red 51; CI 45430) (CAS 16423-68-0; EINECS 240-474-8) and its aluminium salt (Pigment Red 172 Aluminium lake)(CAS 12227-78-0; EINECS 235-440-4) when used as a substance in hair dye products	
1338	1-Hydroxy-2,4-diaminobenzene (2,4-Diaminophenol) (CAS 95-86-3; EINECS 202-459-4) and its dihydrochloride salt (2,4-Diaminophenol HCl) (CAS 137-09-7; EINECS 205-279-4) when used as a substance in hair dye products	
1339	1,4-Dihydroxybenzene (Hydroquinone) (CAS 123-31-9; EINECS 204-617-8) when used as a substance in hair dye products	
1340	[4-[[4-anilino-1-naphthyl]][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (Basic Blue 26; CI 44045) (CAS 2580-56-5; EINECS 219-943-6) when used as a substance in hair dye products	
1341	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate (Ponceau SX; CI 14700) (CAS 4548-53-2; EINECS 224-909-9) when used as a substance in hair dye products	
1342	Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-) (Acid Green 1; CI 10020) (CAS 19381-50-1; EINECS 243-010-2) when used as a substance in hair dye products	
1343	4-(Phenylazo)resorcinol (Solvent Orange 1; CI 11920) (CAS 2051-85-6; EINECS 218-131-9) and its salts, when used as a substance in hair dye products	
1344	4-[(4-Ethoxyphenyl)azo]naphthol (Solvent Red 3; CI 12010) (CAS 6535-42-8; EINECS 229-439-8) and its salts, when used as a substance in hair dye products	
1345	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol (Pigment Red 4; CI 12085) (CAS 2814-77-9; EINECS 220-562-2) and its salts when used as a substance in hair dye products	
1346	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide (Pigment Red 112; CI 12370) (CAS 6535-46-2; EINECS 229-440-3) and its salts when used as a substance in hair dye products	
1347	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide (Pigment Red 5; CI 12490) (CAS 6410-41-9; EINECS 229-107-2) and its salts when used as a substance in hair dye products	
1348	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate (Pigment Red 48; CI 15865) (CAS 3564-21-4; EINECS 222-642-2) when used as a substance in hair dye products	
1349	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate (Pigment Red 63;1; CI 15880) (CAS 6417-83-0; EINECS 229-142-3) when used as a substance in hair dye products	
1350	Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate (Acid Red 27; CI 16185) (CAS 915-67-3; EINECS 213-022-2) when used as a substance in hair dye products	
1351	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] (Pigment Yellow 13; CI 21100) (CAS 5102-83-0; EINECS 225-822-9) when used as a substance in hair dye products	

## ▼M58

Ref. No	Chemical name	CAS No EC No
1352	2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol] (Solvent Yellow 29; CI 21230) (CAS 6706-82-7; EINECS 229-754-0) when used as a substance in hair dye products	
1353	1-((4-Phenylazo)phenylazo)-2-naphthol (Solvent Red 23; CI 26100) (CAS 85-86-9; EINECS 201-638-4) when used as a substance in hair dye products	
1354	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate (Food Black 2; CI 27755) (CAS 2118-39-0; EINECS 218-326-9) when used as a substance in hair dye products	
1355	Ethanaminium, N-(4-((4-(diethylamino)phenyl)(2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, sodium salt (Acid Blue 1; CI 42045) (CAS 129-17-9; EINECS 204-934-1) when used as a substance in hair dye products	
1356	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) (Acid Blue 3; CI 42051) (CAS 3536-49-0; EINECS 222-573-8) when used as a substance in hair dye products	
1357	Benzenemethanaminium, 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 (Fast Green FCF; CI 42053) (CAS 2353-45-9; EINECS 219-091-5) when used as a substance in hair dye products	
1358	1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline (Solvent Yellow 33; CI 47000) (CAS 8003-22-3; EINECS 232-318-2) when used as a substance in hair dye products	
1359	Nigrosine (CI 50420) (CAS 8005-03-6) when used as a substance in hair dye products	
1360	8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) (CAS 6358-30-1; EINECS 228-767-9) when used as a substance in hair dye products	
1361	1,2-Dihydroxyanthraquinone (Pigment Red 83; CI 58000) (CAS 72-48-0; EINECS 200-782-5) when used as a substance in hair dye products	
1362	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate (Solvent Green 7; CI 59040) (CAS 6358-69-6; EINECS 228-783-6) when used as a substance in hair dye products	
1363	1-Hydroxy-4-(p-toluidino)anthraquinone (Solvent Violet 13; CI 60725) (CAS 81-48-1; EINECS 201-353-5), when used as a substance in hair dye products	
1364	1,4-bis(p-Tolylamino)anthraquinone (Solvent Green 3; CI 61565) (CAS 128-80-3; EINECS 204-909-5) when used as a substance in hair dye products	
1365	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one (VAT Red 1; CI 73360) (CAS 2379-74-0; EINECS 219-163-6) when used as a substance in hair dye products	
1366	5,12-Dihydroquino[2,3-b]acridine-7,14-dione (Pigment Violet 19; CI 73900) (CAS 1047-16-1; EINECS 213-879-2) when used as a substance in hair dye products	
1367	(29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32)copper (Pigment Blue 15; CI 74160) (CAS 147-14-8; EINECS 205-685-1) when used as a substance in hair dye products	

**▼ M58**

Ref. No	Chemical name	CAS No EC No
1368	Disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29,N30,N31,N32]cuprate(2-) (Direct Blue 86; CI 74180) (CAS 1330-38-7; EINECS 215-537-8) when used as a substance in hair dye products	
1369	Polychloro copper phthalocyanine (Pigment Green 7; CI 74260) (CAS 1328-53-6; EINECS 215-524-7) when used as a substance in hair dye products	

**▼ M47**

- (<sup>1</sup>) for the individual ingredient see reference number 364 in Annex II.  
(<sup>2</sup>) for the individual ingredient see reference number 413 in Annex II.



## ANNEX III

## PART I

## LIST OF SUBSTANCES WHICH COSMETIC PRODUCTS MUST NOT CONTAIN EXCEPT SUBJECT TO THE RESTRICTIONS AND CONDITIONS LAID DOWN

Reference number	Substance	Restrictions			Conditions of use and warnings which must be printed on the label
		Field of application and/or use	Maximum authorized concentration in the finished cosmetic product	Other limitations and requirements	
a	b	c	d	e	f
1a	► <b>M47</b> Boric acid, borates and tetraborates with the exception of substance No in Annex II ◄	(a) Talc  (b) Products for all hygiene  (c) Other products (excluding bath products and hair waving products)	(a) 5 % (by mass/mass as boric acid)  (b) 0,1 % (by mass/mass as boric acid)  (c) 3 % (by mass/mass as boric acid)	(a) 1. Not to be used in products for children under 3 years of age 2. Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1,5 % (by mass/mass as boric acid)  (b) 1. Not to be used in products for children under 3 years of age  (c) 1. Not to be used in products for children under 3 years of age 2. Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1,5 % (by mass/mass as boric acid)	(a) 1. Not to be used for children under 3 years of age 2. Not to be used on peeling or irritated skin  (b) 1. Not to be swallowed 2. Not to be used for children under 3 years of age  (c) 1. Not to be used for children under 3 years of age 2. Not to be used on peeling or irritated skin
1b	Tetraborates	(a) Bath products  (b) Hair waving products	(a) 18 % (by mass/mass as boric acid)  (b) 8 % (by mass/mass as boric acid)	(a) Not to be used in products for children under 3 years of age  (b) Rinse well	(a) Not to be used of bathing children under 3 years of age  (b) Rinse well

▼B

▼M3

▼M31

a	b	c	d	e	f
2a	Thioglycollic acid and its salts	(a) Hair waving or straightening products: — general use — professional use  (b) Depilatories  (c) Other hair-care products which are removed after application	— 8 % ready for use pH 7 to 9,5 — 11 % ready for use pH 7 to 9,5 — 5 % ready for use pH 7 to 12,7 — 2 % ready for use pH to 9,5	(a) (b) (c): The directions for use drawn up in the national or official language(s) must obligatorily incorporate the following sentences: — Avoid contact with eyes — In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice — Wear suitable gloves ((a) and (c) only)	(a): — Contains thioglycolate — Follow the instructions — Keep out of reach of children — For professional use only  (b) and (c): — Contains thioglycolate — Follow the instructions — Keep out of reach of children
2b	Thioglycollic acid esters	Hair waving or straightening products: — general use — professional use	The abovementioned percentages are calculated as thioglycollic acid  — 8 % ready for use pH 6 to 9,5 — 11 % ready for use pH 6 to 9,5  The abovementioned percentages are calculated as thioglycollic acid	The directions for use drawn up in the national or official language(s) must obligatorily incorporate the following sentences: — May cause sensitization in the event of skin contact — Avoid contact with eyes — In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice — Wear suitable gloves	— Contains thioglycolate — Follow the instructions — Keep out of reach of children — For professional use only
3	Oxalic acid, its esters and alkaline salts	Hair care products	5 %		For professional use only

▼M3

▼M13

▼M3



a	b	c	d	e	f
4	Ammonia		6 % calculated as NH <sub>3</sub>		Above 2 %: contains ammonia
5	Tosylchloramide sodium (*)		0.2 %		
6	Chlorates of alkali metals	(a) Toothpaste (b) Other uses	(a) 5 % (b) 3 %		
7	Dichloromethane		35 % (when mixed with 1,1,1-trichloroethane, total concentration must not exceed 35 %)	0.2 % as maximum impurity content	
8	► <b>M54</b> ► <b>C9</b> p-Phenylenediamine, its N-substituted derivatives and its salts; N-substituted derivatives of o-Phenylenediamine (2), with the exception of those derivatives listed elsewhere in this Annex and under reference numbers 1309, 1311, and 1312 in Annex II ◄◄◄	Oxidizing colouring agents for hair dyeing (a) general use  (b) professional use	6 % calculated as free base		(a) Can cause an allergic reaction. ► <b>M20</b> ◄◄ Contains phenylenediamines. Do not use to dye eyelashes or eyebrows  (b) For professional use only. Contains phenylenediamines. Can cause an allergic reaction. ► <b>M20</b> ◄◄ ► <b>M22</b> ◄◄◄ Wear suitable gloves. ◄◄
9	► <b>M54</b> ► <b>C9</b> Methylphenylenediamines, their N-substituted derivatives and their salts (1) with the exception of substances under reference numbers 364, 1310 and 1313 in Annex II ◄◄◄	Oxidizing colouring agents for hair dyeing (a) general use  (b) professional use	10 % calculated as free base		(a) Can cause an allergic reaction. ► <b>M20</b> ◄◄ Contains phenylenediamines. Do not use to dye eyelashes or eyebrows  (b) For professional use only. Contains phenylenediamines. Can cause an allergic reaction. ► <b>M20</b> ◄◄ ► <b>M22</b> ◄◄◄ Wear suitable gloves. ◄◄

a	b	c	d	e	f
11	Dichlorophen (*)		0,5 %		Contains dichlorophen
12	Hydrogen peroxide, and other compounds that release hydrogen peroxide, including carbamide peroxide and zinc peroxide	(a) Hair-care ► <b>M60</b> mixtures ▼ (b) Skin-care ► <b>M60</b> mixtures ▼ (c) Nail hardening ► <b>M60</b> mixtures ▼ (d) Oral hygiene products	12 % of H <sub>2</sub> O <sub>2</sub> (40 volumes), present or released 4 % of H <sub>2</sub> O <sub>2</sub> , present or released 2 % of H <sub>2</sub> O <sub>2</sub> , present or released 0,1 % of H <sub>2</sub> O <sub>2</sub> , present or released		► <b>M22</b> (a): Wear suitable gloves ▼ (a) (b) (c): Contains hydrogen peroxide. Avoid contact with eyes. Rinse immediately if product comes into contact with them
13	Formaldehyde	Nail hardeners	5 % calculated as formaldehyde		Protect cuticles with grease or oil. Contains formaldehyde (2).
14	Hydroquinone (3)	► <b>M58</b> ————— ▼ ► <b>M58</b> ————— ▼ ► <b>M58</b> ————— ▼	0,3 %		(a) 1. — Do not use to dye eyelashes or eyebrows — Rinse the eyes immediately if the product comes into contact with them — Contains hydroquinone 2. — For professional use only — Contains hydroquinone — Rinse the eyes immediately if the product comes into contact with them

▼ **M3**▼ **M58**▼ **M12**▼ **M20**▼ **M3**▼ **M39**

▼ **M39**

a	b	c	d	e	f
		(b) Artificial nail systems	0,02 % (after mixing for use)	Professional use only	(b) — For professional use only — Avoid skin contact — Read directions for use carefully
15a	Potassium hydroxide or sodium hydroxide	(a) Nail cuticle solvent  (b) Hair straightener 1. General use 2. Professional use  (c) pH adjuster — depilatories (d) Other uses as pH adjuster	(a) 5 % by weight <sup>(4)</sup>  (b) 1. 2 % by weight <sup>(4)</sup> 2. 4,5 % by weight <sup>(4)</sup>  (c) Up to pH 12,7  (d) Up to pH 11		(a) Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children  (b) 1. Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children 2. For professional use only. Avoid contact with eyes. Can cause blindness.  (c) Keep out of reach of children. Avoid contact with eyes
15b	Lithium hydroxide	(a) Hair straighteners 1. General use  2. Professional use	(a) 1. 2 % <sup>(6)</sup> by weight  2. 4,5 % <sup>(6)</sup> by weight		(a) 1. Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children 2. For professional use only Avoid contact with eyes Can cause blindness

▼ **M34**

▼ **M34**

a	b	c	d	e	f
15c	Calcium hydroxide	(b) pH adjuster — for depilatories  (c) Other uses — as pH adjuster (for rinse-off products only)  Hair straighteners containing two components: calcium hydroxide and a guanidine salt	(a) 7 % by weight of calcium hydroxide	(b) pH value not to exceed pH 12,7  (c) pH value not to exceed pH 11	(b) Contains alkali Keep out of reach of children Avoid contact with eyes  (a) Contains alkali Avoid contact with eyes Keep out of reach of children Can cause blindness (b) Contains alkali Keep out of reach of children Avoid contact with eyes
16	1-Naphthol (CAS No 90-15-3) and its salts	(c) Other uses (e.g. pH adjuster, processing aid)  Oxidising colouring agents for hair dyeing	2,0 %	(b) pH value not to exceed pH 12,7  (c) pH value not to exceed pH 11	Can cause allergic reaction
17	Sodium nitrite	Rust inhibitor	0,2 %	Do not use with secondary and/or tertiary amines or other substances forming nitrosamines	
18	Nitromethane	Rust inhibitor	0,3 %		

▼ **M3**

▼ **M47**

▼ **M3**

▶ **M20** — ◀

a	b	c	d	e	f
21	Quinine and its salts	(a) Shampoos (b) Hair lotions	(a) 0,5 % calculated as quinine base (b) 0,2 % calculated as quinine base		
22	Resorcinol (3)	(a) Oxidizing colouring agent for hair dyeing 1. general use 2. professional use (b) Hair lotions and shampoos	(a) 5 % (b) 0,5 %		(a) 1. Contains resorcinol. Rinse hair well after application. Do not use to dye eyelashes or eyebrows. Rinse eyes immediately if product comes into contact with them 2. For professional use only. Contains resorcinol. Rinse eyes immediately if product comes into contact with them (b) Contains resorcinol
23	(a) Alkali sulphides (b) Alkaline earth sulphides	(a) Depilatories (b) Depilatories	(a) 2 % calculated as sulphur pH ≤ 12,7 (b) 6 % calculated as sulphur pH ≤ 12,7		(a) Keep out of reach of children. Avoid contact with eyes (b) Keep out of reach of children. Avoid contact with eyes
24	Water-soluble zinc salts with the exception of zinc 4-hydroxy-benzenesulphonate and zinc pyrrithione		1 % calculated as zinc		
25	Zinc 4-hydroxybenzene sulphhonate	Deodorants, antiperspirants and astringent lotions	6 % calculated as % of anhydrous substance		Avoid contact with eyes
26	Sodium monofluorophosphate	Oral hygiene products	0,15 % calculated as F. When mixed with other fluoride compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains ammonium monofluorophosphate. ► <b>M53</b> 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:

a	b	c	d	e	f
27	Sodium monofluorophosphate	Ditto	0,15 % Ditto		<p>'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.' ▼</p> <p>Contains sodium monofluorophosphate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
28	Potassium monofluorophosphate	Ditto	0,15 % Ditto		<p>Contains potassium monofluorophosphate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
29	Calcium monofluorophosphate	Ditto	0,15 % Ditto		<p>Contains calcium monofluorophosphate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>



a	b	c	d	e	f
30	Calcium fluoride	Ditto	0,15 % Ditto		case of intake of fluoride from other sources consult a dentist or doctor.' ▼  Contains calcium fluoride. ► <b>M53</b> 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 obligator:  '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	Ditto	0,15 % Ditto		Contains sodium fluoride. ► <b>M53</b> 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 obligator:  '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	Ditto	0,15 % Ditto		Contains potassium fluoride. ► <b>M53</b> 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 obligator:  '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 fluoride	Ditto	0,15 % Ditto		Contains ammonium fluoride. ► <b>M53</b> For any toothpaste containing 0,1 to 0,15 % fluoride unless it is

a	b	c	d	e	f
34	Aluminium fluoride	Ditto	0,15 % Ditto		<p>already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligator:</p> <p>'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.' ▼</p> <p>Contains aluminium fluoride. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
35	Stannous fluoride	Ditto	0,15 % Ditto		<p>Contains stannous fluoride. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
36	Hexadecyl ammonium fluoride	Ditto	0,15 % Ditto		<p>Contains hexadecyl ammonium fluoride. ► <b>M53</b> 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 obligator:</p>

a	b	c	d	e	f
37	3-( <i>N</i> -Hexadecyl- <i>N</i> -2-hydroxyethylammonio) propylbis (2-hydroxyethyl) ammonium difluoride	Ditto	0,15 % Ditto		'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.' ▼  Contains 3-( <i>N</i> -Hexadecyl- <i>N</i> -2-hydroxyethylammonio) propylbis (2-hydroxyethyl) ammonium difluoride. ► <b>M53</b> 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 obligator:
38	<i>NN</i> '-Tris(polyoxyethylene)- <i>N</i> -hexadecylpropylenediamine dihydrofluoride	Ditto	0,15 % Ditto		'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.' ▼  Contains <i>NN</i> '-tris(polyoxyethylene)- <i>N</i> -hexadecylpropylenediamine dihydrofluoride. ► <b>M53</b> 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 obligator:
39	Octadecenyl-ammonium fluoride	Ditto	0,15 % Ditto		'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.' ▼  Contains octadecenyl-ammonium fluoride. ► <b>M53</b> 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 obligator:

a	b	c	d	e	f
40	Sodium fluorosilicate	Ditto	0,15 % Ditto		<p>'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.' ▼</p> <p>Contains sodium fluorosilicate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
41	Potassium fluorosilicate	Ditto	0,15 % Ditto		<p>Contains potassium fluorosilicate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>
42	Ammonium fluorosilicate	Ditto	0,15 % Ditto		<p>Contains ammonium fluorosilicate. ► <b>M53</b> 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 obligator:</p> <p>'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.' ▼</p>

▼ **M3**

a	b	c	d	e	f
43	Magnesium fluorosilicate	Ditto	0,15 % Ditto		case of intake of fluoride from other sources consult a dentist or doctor.' ▼  Containes (SIC) Contains) magnesium fluorosilicate. ► <b>M53</b> 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 obligator:  '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.' ▼
44	1,3-Bis (hydroxymethyl) imidazolidine-2-thione	(a) Hair-care ► <b>M60</b> mixtures ▼ (b) Nail-care ► <b>M60</b> mixtures ▼.	(a) Up to 2 % (b) Up to 2 %	(a) Prohibited in aerosol dispensers (sprays) (b) The pH of the product as applied must be less than 4	Contains 1,3-bis (hydroxymethyl) imidazolidine-2-thione
45	Benzyl alcohol <sup>(12)</sup> CAS No 100-51-6	(a) Solvent (b) fragrance/aromatic compositions/their raw materials		(b) The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
46	6-methylcoumarin	Oral hygiene products	0,003 %		
47	Nicomethanol hydrofluoride	Oral hygiene products	0,15 % calculated as F When mixed with other fluoride compounds permitted under this Annex,		Contains nicomethanol hydrofluoride. ► <b>M53</b> 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 obligator:

▼ **M10**▼ **M57**▼ **M4**▼ **M8**

▼ **M8**

a	b	c	d	e	f
48	Silver nitrate	Solely for products intended for colouring eyelashes and eyebrows	total F concentration must not exceed 0,15 %  4 %		'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.' ▼  — Contains silver nitrate  — Rinse the eyes immediately if product comes into contact with them
49	Selenium disulphide	Antidandruff shampoos	1 %		— Contains selenium disulphide  — Avoid contact with eyes or damaged skin
50	Aluminium chloride complexes  $Al_xZr(OH)_yCl_z$ and the aluminium zirconium chloride hydroxide glycine complexes	Antiperspirants	20 % as anhydrous aluminium zirconium chloride hydroxide  5,4 % as zirconium	1. The ratio of the number of aluminium atoms to that of zirconium atoms must be between two an 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. Prohibited in aerosol dispensers (sprays)	Do not apply to irritated or damaged skin
51	Quinolin-8-ol and bis (8-hydroxy-quinolium) sulphate	Stabilizer for hydrogen peroxide in rinse-off hair-care ► <b>M60</b> mixtures ▼  Stabilizer for hydrogen peroxide in non-rinse-off hair-care ► <b>M60</b> mixtures ▼	0,3 % calculated as base  0,03 % calculated as base		
52	Methanol	Denaturant for ethanol and isopropyl alcohol	5 % calculated as a % ethanol and isopropyl alcohol		

▼ **M9**▼ **M13**▼ **M12**

▼ **M3**

a	b	c	d	e	f
53	Etidronic acid and its salts (1-hydroxyethylidene-di-phosphonic acid and its salts)	(a) Hair-care (b) Soap	1,5 % expressed as etidronic acid 0,2 % expressed as etidronic acid		► <b>M15</b> ——— ◀
54	1-Phenoxy-propan-2-ol	— Rinse-off products only — Prohibited in oral hygiene products	2 %	As a preservative, see Annex VI, Part 1, No 43	
56	Magnesium fluoride	Dental hygiene products	0,15 % calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains magnesium fluoride. ► <b>M53</b> 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 sources consult a dentist or doctor.' ◀
57	Strontium chloride hexahydrate	(a) Toothpaste  (b) Shampoo and face care products	3,5 %, calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 3,5 %  2,1 %, calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 2,1 %		Contains strontium chloride. Frequent use by children is not advisable

▼ **M13**▼ **M43**▼ **M18**▼ **M30**

a	b	c	d	e	f
58	Strontium acetate hemihydrate	Toothpaste	3,5 %, calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 3,5 %		Contains strontium acetate. Frequent use by children is not advisable
59	Talc: Hydrated magnesium silicate	(a) Powdery products intended to be used for children under three years of age (b) other products			▶ <b>C4</b> (a) Keep powder away from children's nose and mouth ▼
60	Fatty acid dialkylamides and dialkanolamides		Maximum secondary amine content: 0,5 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating systems</li> <li>— Maximum secondary amine content: 5 % (applies to raw materials)</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
61	Monoalkylamines, monoalkanolamines and their salts		Maximum secondary amine content: 0,5 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating systems</li> <li>— Minimum purity: 99 %</li> <li>— Maximum secondary amine content: 0,5 % (applies to raw materials)</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
62	Trialkylamines, trialkanolamines and their salts	(a) Non-rinse-off products (b) Other products	(a) 2,5 %	(a) (b) — Do not use with nitrosating systems	

▼ **M3**▼ **M20**▼ **M23**▼ **M39**



a	b	c	d	e	f
▼ <b>M39</b>				<ul style="list-style-type: none"> <li>— Minimum purity: 99 %</li> <li>— Maximum secondary amine content: 0,5 % (applies to raw materials)</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
▼ <b>M23</b>	Strontium hydroxide	pH-regulator in depilatory products	3,5 % calculated as strontium, max. pH of 12,7		<ul style="list-style-type: none"> <li>— Keep out of reach of children</li> <li>— Avoid contact with the eyes</li> </ul>
▼ <b>M31</b>	Strontium peroxide	Rinse-off hair care products ► <b>M60</b> mixtures ◄ professional use	4,5 % calculated as strontium in the ready-for-use ► <b>M60</b> mixture ◄	All products must meet the hydrogen peroxide release requirements	<ul style="list-style-type: none"> <li>— Avoid contact with eyes</li> <li>— Rinse eyes immediately if product comes into contact with them</li> <li>— For professional use only</li> <li>— Wear suitable gloves</li> </ul>
▼ <b>M34</b>	Benzalkonium Chloride, bromide and saccharinate	(a) Rinse-off hair care products (head)  (b) Other products	(a) 3 % (as benzalkonium chloride)  (b) 0,1 % (as benzalkonium chloride)	(a) In the final products the concentrations of benzalkonium chloride, bromide and saccharinate with an alkyl chain of C <sub>14</sub> or less must not exceed 0,1 % (as benzalkonium chloride)	(a) Avoid contact with the eyes  (b) Avoid contact with the eyes
▼ <b>M34</b>	Polyacrylamides	(a) Body-care products leave-on (b) Other cosmetic products		(a) Maximum residual acrylamide content 0,1 mg/kg (b) Maximum residual acrylamide content 0,5 mg/kg	

a	b	c	d	e	f
67	Amyl cinnamal (CAS No 122-40-7)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
69	Cinnamyl alcohol (CAS No 104-54-1)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
70	Citral (CAS No 5392-40-5)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
71	Eugenol (CAS No 97-53-0)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	

▼ M3▼ M37▼ M57▼ M37

▼ **M3**

a	b	c	d	e	f
72	Hydroxycitronellal CAS No 107-75-5	(a) Oral products (b) Other products	(b) 1,0 %	(a) (b) The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
73	Isoeugenol CAS No 97-54-1	(a) Oral products (b) Other products	(b) 0,02 %	(a) (b) The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
74	Amylcin naml alcohol (CAS No 101-85-9)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
75	Benzyl salicylate (CAS No 118-58-1)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
76	Cinnamal (CAS No 104-55-2)			The presence of the substance must be indicated in the list of ingredients	

▼ **M37**

a	b	c	d	e	f
77	Coumarin (CAS No 91-64-5)			referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products  The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
78	Geraniol (CAS No 106-24-1)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
79	Hydroxy-methylpentylcyclohexenecarboxaldehyde (CAS No 31906-04-4)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
80	Anisyl alcohol (CAS No 105-13-5)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	

a	b	c	d	e	f
81	Benzyl cinnamate (CAS No 103-41-3)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
82	Farnesol (CAS No 4602-84-0)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
83	2-(4-tert-Butylbenzyl) propionaldehyde (CAS No 80-54-6)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
84	Linalool (CAS No 78-70-6)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
85	Benzyl benzoate (CAS No 120-51-4)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	

▼ **M37**

a	b	c	d	e	f
86	Citronellol (CAS No 106-22-9)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
87	Hexyl cinnam-aldehyde (CAS No 101-86-0)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
88	<i>d</i> -Limonene CAS No 5989-27-5			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products Peroxide value less than 20 mmoles/L <sup>(13)</sup>	
89	Methyl 2-octynoate CAS No 111-12-6 Methyl heptene carbonate	(a) Oral products  (b) Other products	(b) 0,01 % when used alone  When present in combination with methyl octene carbonate, the combined level in the finished product should not exceed 0,01 % (of which methyl octene	(a) (b) The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	

▼ **M57**

a	b	c	d	e	f
			carbonate should not be more than 0,002 %)		
90	3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (CAS No 127-51-5)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
91	Oak moss extract (CAS No 90028-68-5)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
92	Tremoss extract (CAS No 90028-67-4)			The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
93	2,4-Diamino-pyrimidine-3-oxide (CAS No 74638-76-9)	Hair care formulations	1,5 %		
94	Benzoyl peroxide	Artificial nail systems	0,7 % (after mixing)	Professional use only	— For professional use only — Avoid skin contact — Read directions for use carefully
95	Hydroquinone methylether	Artificial nail systems	0,02 % (after mixing for use)	Professional use only	— For professional use only

▼ **M57**▼ **M37**▼ **M39**

▼ **M39**

a	b	c	d	e	f
					— Avoid skin contact — Read directions for use carefully
96	Musk xylene (CAS No 81-15-2)	All cosmetic products, with the exception of oral care products	(a) 1,0 % in fine fragrance (b) 0,4 % in eau de toilette (c) 0,03 % in other products		
97	Musk ketone (CAS No 81-14-1)	All cosmetic products, with the exception of oral care products	(a) 1,4 % in fine fragrance (b) 0,56 % in eau de toilette (c) 0,042 % in other products		
98	Salicylic acid (7) (CAS No 69-72-7)	a) Rinse-off hair products b) Other products	a) 3,0 % b) 2,0 %	Not to be used in ► <b>M60</b> mixtures ▼ for children under three years of age, except for shampoos.  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.	Not to be used for children under three years of age (8)
99	Inorganic sulfites and bisulfites (9)	a) Oxidative hair dye products b) Hair straightening products c) Self tanning products for the face d) Other self tanning products	a) 0,67 % expressed as free SO <sub>2</sub> b) 6,7 % expressed as free SO <sub>2</sub> c) 0,45 % expressed as free SO <sub>2</sub> d) 0,40 % expressed as free SO <sub>2</sub>	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.	

▼ **M51**



▼ **M51**

a	b	c	d	e	f
100	Trilocarban <sup>(10)</sup> (CAS No 101-20-2)	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.	
101	Zinc pyrithione <sup>(11)</sup> (CAS No 13463-41-7)	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	Glyoxal Glyoxal (INCI) CAS No 107-22-2 EINECS No 203-474-9		100 mg/kg		
103	Abies alba cone oil and extract CAS No 90028-76-5			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
104	Abies alba needle oil and extract CAS No 90028-76-5			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
105	Abies pectinata needle oil and extract CAS No 92128-34-2			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
106	Abies sibirica needle oil and extract CAS No 91697-89-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	

▼ **M56**▼ **M57**

a	b	c	d	e	f
107	Abies balsamea needle oil and extract CAS No 85085-34-3			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
108	Pinus mugo pumilio leaf and twig oil and extract CAS No 90082-73-8			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
109	Pinus mugo leaf and twig oil and extract CAS No 90082-72-7			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
110	Pinus sylvestris leaf and twig oil and extract CAS No 84012-35-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
111	Pinus nigra leaf and twig oil and extract CAS No 90082-74-9			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
112	Pinus palustris leaf and twig oil and extract CAS No 97435-14-8			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
113	Pinus pinaster leaf and twig oil and extract CAS No 90082-75-0			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
114	Pinus pumila leaf and twig oil and extract CAS No 97676-05-6			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
115	Pinus species leaf and twig oil and extract CAS No 94266-48-5			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
116	Pinus cembra leaf and twig oil and extract CAS No 92202-04-5			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	

a	b	c	d	e	f
117	Pinus cembra leaf and twig extract acetylated CAS No 94334-26-6			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
118	Picea Mariana Leaf Oil and Extract CAS No 91722-19-9			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
119	Thuja Occidentalis Leaf Oil and Extract CAS No 90131-58-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
120	Thuja Occidentalis Stem Oil CAS No 90131-58-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
121	3-Carene CAS No 13466-78-9 3,7,7-Trimethylbicyclo [4,1,0]hept-3-ene (isodiprene)			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
122	Cedrus atlantica wood oil and extract CAS No 92201-55-3			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
123	Cupressus sempervirens leaf oil and extract CAS No 84696-07-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
124	Turpentine gum ( <i>Pinus</i> spp.) CAS No 9005-90-7			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
125	Turpentine oil and rectified oil CAS No 8006-64-2			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	

a	b	c	d	e	f
126	Turpentine, steam distilled ( <i>Pinus</i> spp.) CAS No 8006-64-2			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
127	Terpene alcohols acetates CAS No 69103-01-1			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
128	Terpene hydrocarbons CAS No 68956-56-9			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
129	Terpenes and terpenoids with the exception of limonene (d-, l-, and dl-isomers) listed under reference numbers 167, 168 and 88 of this Annex III, part 1 CAS No 65996-98-7			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
130	Terpene terpenoids simpine CAS No 68917-63-5			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
131	$\alpha$ -Terpinene CAS No 99-86-5 p-Mentha-1,3-diene			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
132	$\gamma$ -Terpinene CAS No 99-85-4 p-Mentha-1,4-diene			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
133	Terpinolene CAS No 586-62-9 p-Mentha-1,4(8)-diene			Peroxide value less than 10 mmoles/L <sup>(13)</sup>	
134	Acetyl hexamethyl indan CAS No 15323-35-0 1,1,2,3,3,6-Hexamethyl- indan-5-yl methyl ketone	(a) Leave-on products  (b) Rinse-off products	(a) 2 %		

a	b	c	d	e	f
135	Allyl butyrate CAS No 2051-78-7 2-Propenyl Butanoate			Level of free allyl alcohol in the ester should be less than 0,1 %	
136	Allyl cinnamate CAS No 1866-31-5 2-Propenyl 3-Phenyl-2-propenoate			Level of free allyl alcohol in the ester should be less than 0,1 %	
137	Allyl cyclohexylacetate CAS No 4728-82-9 2-Propenyl Cyclohexanecetate			Level of free allyl alcohol in the ester should be less than 0,1 %	
138	Allyl cyclohexylpropionate CAS No 2705-87-5 2-Propenyl 3-Cyclohexanepropanoate			Level of free allyl alcohol in the ester should be less than 0,1 %	
139	Allyl heptanoate CAS No 142-19-8 2-Propenyl heptanoate			Level of free allyl alcohol in the ester should be less than 0,1 %	
140	Allyl caproate CAS No 123-68-2 Allyl hexanoate			Level of free allyl alcohol in the ester should be less than 0,1 %	
141	Allyl isovalerate CAS No 2835-39-4 2-Propenyl 3-Methylbutanoate			Level of free allyl alcohol in the ester should be less than 0,1 %	

a	b	c	d	e	f
142	Allyl octanoate CAS No 4230-97-1 2-Allyl caprylate			Level of free allyl alcohol in the ester should be less than 0,1 %	
143	Allyl phenoxyacetate CAS No 7493-74-5 2-Propenyl Phenoxyacetate			Level of free allyl alcohol in the ester should be less than 0,1 %	
144	Allyl phenylacetate CAS No 1797-74-6 2-Propenyl Benzeneacetate			Level of free allyl alcohol in the ester should be less than 0,1 %	
145	Allyl 3,5,5-trimethylhexanoate CAS No 71500-37-3			Level of free allyl alcohol in the ester should be less than 0,1 %	
146	Allyl cyclohexyloxyacetate CAS No 68901-15-5			Level of free allyl alcohol in the ester should be less than 0,1 %	
147	Allyl isoamyloxyacetate CAS No 67634-00-8			Level of free allyl alcohol in the ester should be less than 0,1 %	
148	Allyl 2-methylbutoxyacetate CAS No 67634-01-9			Level of free allyl alcohol in the ester should be less than 0,1 %	
149	Allyl nonanoate CAS No 7493-72-3			Level of free allyl alcohol in the ester should be less than 0,1 %	
150	Allyl propionate CAS No 2408-20-0			Level of free allyl alcohol in the ester should be less than 0,1 %	
151	Allyl trimethylhexanoate CAS No 68132-80-9			Level of free allyl alcohol in the ester should be less than 0,1 %	

a	b	c	d	e	f
152	Allyl heptene carbonate CAS No 73157-43-4 (allyl oct-2-ynoate)		0,002 %	This material should not be used in combination with any other 2-alkynoic acid ester (e.g methyl heptene carbonate)	
153	Amylcyclopentenone CAS No 25564-22-1 2-Pentylcyclopent-2-en-1-one		0,1 %		
154	<i>Myroxylon balsamum var pereirae</i> , extracts and distillates CAS No 8007-00-9 Balsam Peru oil, absolute and anhydrol (Balsam Oil Peru)		0,4 %		
155	4- <i>tert.</i> -Butylidihydrocinnamaldehyde CAS No 18127-01-0 3-(4- <i>tert.</i> -Butylphenyl)propion-aldehyde		0,6 %		
156	Cumimum cymimum fruit oil and extract CAS No 84775-51-9	(a) Leave-on products (b) Rinse-off products	(a) 0,4 % of Cumin oil		
157	<i>cis</i> -Rose ketone-1 ( <sup>14</sup> ) CAS No 23726-94-5 ( <i>Z</i> )-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one ( <i>cis-α</i> -Damascone)	(a) Oral products (b) Other products	(a) 0,02 % (b) 0,02 %		



M57

a	b	c	d	e	f
158	<i>trans</i> -Rose ketone-2 <sup>(14)</sup> CAS No 23726-91-2 ( <i>E</i> )-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one ( <i>trans</i> - $\beta$ -Damascone)	(a) Oral products (b) Other products	(b) 0,02 %		
159	<i>trans</i> -Rose ketone-5 <sup>(14)</sup> CAS No 39872-57-6 ( <i>E</i> )-1-(2,4,4-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (Isodamascone)		0,02 %		
160	Rose ketone-4 <sup>(14)</sup> CAS No 23696-85-7 1-(2,6,6-Trimethylcyclohexa-1,3-dien-1-yl)-2-buten-1-one (Damasconone)	(a) Oral products (b) Other products	(b) 0,02 %		
161	Rose ketone-3 <sup>(14)</sup> CAS No 57378-68-4 1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (Delta-Damascone)	(a) Oral products (b) Other products	(b) 0,02 %		
162	<i>cis</i> -Rose ketone-2 <sup>(14)</sup> CAS No 23726-92-3 1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one ( <i>cis</i> - $\beta$ -Damascone)	(a) Oral products (b) Other products	(b) 0,02 %		



a	b	c	d	e	f
163	<i>trans</i> -Rose ketone-1 <sup>(14)</sup> CAS No 24720-09-0 1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one ( <i>trans</i> - $\alpha$ -Damascone)	(a) Oral products (b) Other products	(b) 0,02 %		
164	Rose ketone-5 <sup>(14)</sup> CAS No 33673-71-1 1-(2,4,4-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one		$\blacktriangleright$ <u>C10</u> 0,02 $\blacktriangleleft$ %		
165	<i>trans</i> -Rose ketone-3 <sup>(14)</sup> CAS No 71048-82-3 1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one ( <i>trans</i> -delta-Damascone)	(a) Oral products (b) Other products	(b) 0,02 %		
166	<i>trans</i> -2-hexenal CAS No 6728-26-3	(a) Oral products (b) Other products	(b) 0,002 %		
167	<i>l</i> -Limonene CAS No 5989-54-8 ( <i>S</i> )- <i>p</i> -Mentha-1,8-diene			Peroxide value less than 20 mmoles/L <sup>(13)</sup>	
168	<i>dl</i> -Limonene (racemic) CAS No 138-86-3 1,8(9)- <i>p</i> -Menthadiene; <i>p</i> -Mentha-1,8-diene (Dipentene)			Peroxide value less than 20 mmoles/L <sup>(13)</sup>	



M57

a	b	c	d	e	f
169	Perillaldehyde CAS No 2111-75-3 p-Mentha-1,8-dien-7-al	(a) Oral products (b) Other products	(b) 0,1 %		
170	Isobergamate CAS No 68683-20-5 Menthadiene-7-methyl formate		0,1 %		
171	Methoxy dicyclopentadiene carboxaldehyde CAS No 86803-90-9 Octahydro-5-methoxy-4,7- Methano-1H-indene-2- carboxaldehyde		0,5 %		
172	3-methylnon-2-enenitrile CAS No 53153-66-5		0,2 %		
173	Methyl octine carbonate CAS No 111-80-8 Methyl non-2-ynoate	(a) Oral products (b) Other products	(b) 0,002 % when used alone When present in combi- nation with methyl heptine carbonate, the combined level in the finished product should not exceed 0,01 % (of which methyl octine carbonate should not be more than 0,002 %)		
174	Amylvinylcarbonyl acetate CAS No 2442-10-6 1-Octen-3-yl acetate	(a) Oral products (b) Other products	(b) 0,3 %		

a	b	c	d	e	f
175	Propylidenephthalide CAS No 17369-59-4 3-Propylidenephthalide	(a) Oral products (b) Other products	(b) 0,01 %		
176	Isocyclogeraniol CAS No 68527-77-5 2,4,6-Trimethyl-3-cyclohexene-1-methanol		0,5 %		
177	2-Hexylidene cyclopentanone CAS No 17373-89-6	(a) Oral products (b) Other products	(b) 0,06 %		
178	Methyl heptadienone CAS No 1604-28-0 6-Methyl-3,5-heptadien-2-one	(a) Oral products (b) Other products	(b) 0,002 %		
179	p-methylhydrocinnamic aldehyde CAS No 5406-12-2 Cresylpropionaldehyde p-Methylidihydrocinnamaldehyde		0,2 %		
180	Liquidambar orientalis Balsam oil and extract CAS No 94891-27-7 (styrax)		0,6 %		
181	Liquidambar styraciflua balsam oil and extract CAS No 8046-19-3 (styrax)		0,6 %		

▼ **M57**

a	b	c	d	e	f
182	Acetyl hexamethyl tetralin CAS No 21145-77-7 CAS No 1506-02-1 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (AHTN)	All cosmetic products, with the exception of oral products	(a) leave-on products: 0,1 % except: hydro alcoholic products: 1 % fine fragrance: 2,5 % fragrance cream: 0,5 % (b) rinse-off products: 0,2 %		
183	<i>Commiphora erythrea</i> engler var. <i>glabrescens</i> engler gum extract and oil CAS No 93686-00-1		0,6 %		
184	Opopanax chironium resin CAS No 93384-32-8		0,6 %		

▼ **M3**

- (1) These substances may be used singly or in combination provided that the sum of the ratios of the levels of each of them in the cosmetic product expressed with reference to the maximum level authorized for each of them does not exceed 1.
- (2) Only if the concentration exceeds 0,05 %.
- (3) These substances may be used singly or in combination provided that the sum of the ratios of the levels of each of them in the cosmetic product expressed with reference to the maximum level authorized for each of them does not exceed 2.
- **M25** (4) The quantity of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In cases of mixtures, the sum should not exceed the limits given in column d. ◀
- **M34** (5) These substances may be used singly or in combination provided that the sum of the ratios of the levels of each of them in the cosmetic product expressed with reference to the maximum level authorized for each of them does not exceed 1. ◀
- **M34** (6) The concentration of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In case of mixtures, the sum should not exceed the limits given in column d. ◀
- **M51** (7) As a preservative, see Annex VI, Part 1, No 3.
- (8) Solely for products which might be used for children under three years of age and which remain in prolonged contact with the skin.
- (9) As a preservative, see Annex VI, Part 1, No 9.
- (10) As a preservative, see Annex VI, Part 1, No 23.
- (11) As a preservative, see Annex VI, Part 1, No 8. ◀
- **M57** (12) As a preservative, see Annex VI, Part 1, No 34.
- (13) This limit applies to the substance and not to the finished cosmetic product. ◀
- **M57** (14) The sum of those substances used in combination should not exceed the limits given in column d. ◀

▼ M11▶ M14 PART 2 ◀

## LIST OF SUBSTANCES PROVISIONALLY ALLOWED

Reference number	Substance	Restrictions				Conditions of use and warnings which must be printed on the label	Allowed until
		Field of application and/or use	Maximum authorized concentration in the finished cosmetic product	Other limitations and requirements			
a	b	c	d	e	f	g	
3	4-Amino-3-nitrophenol (CAS No 610-81-1) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 3,0 % (b) 3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %	(a) (b) Can cause allergic reaction	▶ <u>M55</u> 31.12.2009 ◀	
4	2,7-Naphthalenediol (CAS no 582-17-2) and its salts	Oxidising colouring agents for hair dyeing	1,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,5 %		▶ <u>M55</u> 31.12.2009 ◀	
5	m-Aminophenol (CAS no 591-27-5) and its salts	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	▶ <u>M55</u> 31.12.2009 ◀	
6	2,6-Dihydroxy-3,4-dimethylpyridine (CAS No 84540-47-6) and its salts	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	▶ <u>M55</u> 31.12.2009 ◀	
7	4-Hydroxypropylamino-3-nitrophenol (CAS No 92952-81-3) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 5,2 % (b) 2,6 %	In combination with hydrogen peroxide the maximum use concentration upon application is 2,6 %	(a) (b) Can cause allergic reaction	▶ <u>M55</u> 31.12.2009 ◀	

▼ M54▼ M34

a	b	c	d	e	f	g
9	HC Blue No 11 (CAS No 23920-15-2) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 3,0 % (b) 2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %	(a) (b) Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀
10	Hydroxyethyl-2-nitro-p-toluidine (CAS No 100418-33-5) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 2,0 % (b) 1,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %	(a) (b) Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀
11	2-Hydroxyethylpicramic acid (CAS No 99610-72-7) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 3,0 % (b) 2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %	(a) (b) Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀
12	p-Methylaminophenol (CAS No 150-75-4) and its salts	Oxidising colouring agent for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %	Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀
14	HC Violet No 2 CAS No 104226-19-9) and its salts	Non-oxidising colouring agent for hair dyeing	2,0 %			► <b>M55</b> 31.12.2009 ◀
16	HC Blue No 12 (CAS No 104516-93-0) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 1,5 % (b) 1,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,75 %	(a) (b) Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀

▼ **M11**▼ **M54**▼ **M34**▼ **M54**▼ **M34**▼ **M54**▼ **M34**

a	b	c	d	e	f	g
18	1,3-Bis-(2,4-diaminophenoxy) propane (CAS No 81892-72-0) and its salts	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	► <b>M55</b> 31.12.2009 ◀
19	► <b>C6</b> 3-Amino-2,4-dichlorophenol (CAS No 61693-43-4) and its salts ◀	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	► <b>M55</b> 31.12.2009 ◀
20	Phenyl methyl pyrazolone (CAS No 89-25-8) and its salts	Oxidising colouring agents for hair dyeing	0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 %		► <b>M55</b> 31.12.2009 ◀
21	2-Methyl-5-hydroxyethylamino-phenol (CAS No 55302-96-0) and its salts	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	► <b>M55</b> 31.12.2009 ◀
22	Hydroxybenzomorpholine (CAS No 26021-57-8) and its salts	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	► <b>M55</b> 31.12.2009 ◀
24	HC Yellow No 10 (CAS No 109023-83-8) and its salts	Non-oxidising colouring agents for hair dyeing	0,2 %			► <b>M55</b> 31.12.2009 ◀
25	2,6-Dimethoxy-3,5-pyridine-diamine (CAS No 85679-78-3) and its salts	Oxidising colouring agents for hair dyeing	0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 %	Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀

▼ **M11**▼ **M48**▼ **M34**▼ **M48**▼ **M34**

▼ **M34**

a	b	c	d	e	f	g
26	HC Orange No 2 (CAS No 85765-48-6) and its salts	Non-oxidising colouring agents for hair dyeing	1,0 %			► <b>M55</b> 31.12.2009 ◀
27	HC Violet No 1 (CAS No 82576-75-8) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 0,5 % (b) 0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 %		► <b>M55</b> 31.12.2009 ◀
28	3-Methylamino-4-nitro-phenox-yethanol (CAS No 59820-63-2) and its salts	Non-oxidising colouring agents for hair dyeing	1,0 %			► <b>M55</b> 31.12.2009 ◀
29	2-Hydroxy-ethylamino-5-nitro-anisole (CAS No 66095-81-6) and its salts	Non-oxidising colouring agents for hair dyeing	1,0 %			► <b>M55</b> 31.12.2009 ◀
31	► <b>C6</b> HC Red No 13 (CAS No 94158-13-1) and its salts ◀	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 2,5 % (b) 2,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,25 %		► <b>M55</b> 31.12.2009 ◀
32	1,5-Naphthalenediol (CAS No 83-56-7) and its salts	Oxidising colouring agents for hair dyeing	1,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,5 %		► <b>M55</b> 31.12.2009 ◀
33	Hydroxypropyl bis (N-hydroxyethyl-p-phenylenediamine) (CAS No 128729-30-6) and its salts	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %	Can cause allergic reaction	► <b>M55</b> 31.12.2009 ◀
34	o-Aminophenol (CAS No 95-55-6) and its salts	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %		► <b>M55</b> 31.12.2009 ◀

▼ **M54**▼ **M34**



▼ **M34**

a	b	c	d	e	f	g
35	4-Amino-2-hydroxytoluene (CAS No 2835-95-2) and its salts	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %		► <b>M55</b> 31.12.2009 ◀
36	► <b>C6</b> 2,4-Diaminophenoxyethanol (CAS No 66422-95-5) and its salts ◀	Oxidising colouring agents for hair dyeing	4,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 2,0 %		► <b>M55</b> 31.12.2009 ◀
37	2-Methylresorcinol (CAS No 608-25-3) and its salts	Oxidising colouring agents for hair dyeing	2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %		► <b>M55</b> 31.12.2009 ◀
38	4-Amino-m-cresol (CAS No 2835-99-6) and its salts	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %		► <b>M55</b> 31.12.2009 ◀
39	2-Amino-4-hydroxyethylaminoanisole (CAS No 83763-47-7) and its salts	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %		► <b>M55</b> 31.12.2009 ◀
44	Hydroxyethyl-3,4-methylenedioxyaniline (CAS No 81329-90-0) and its salts	Oxidising colouring agents for hair dyeing	3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %		► <b>M55</b> 31.12.2009 ◀

▼ **M48**▼ **M54**▼ **M48**▼ **M54**▼ **M34**

a	b	c	d	e	f	g
47	HC Blue No 2 (CAS No 33229-34-4) and its salts	Non-oxidising colouring agents for hair dyeing	2,8 %			► <b>M55</b> 31.12.2009 ◀
48	3-Nitro-p-hydroxyethylamino-phenol (CAS No 65235-31-6) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 6,0 % (b) 6,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 3,0 %		► <b>M55</b> 31.12.2009 ◀
49	4-Nitrophenyl aminoethylurea (CAS No 27080-42-8) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 0,5 % (b) 0,5 %	In combination with hydrogen peroxide the maximum use concentration upon application is 0,25 %		► <b>M55</b> 31.12.2009 ◀
50	HC Red No 10 + HC Red No 11 (CAS No 95576-89-9 + 95576-92-4) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 2,0 % (b) 1,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %		► <b>M55</b> 31.12.2009 ◀
55	2-Chloro-6-ethylamino-4-nitrophenol (CAS No 131657-78-8) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 3,0 % (b) 3,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,5 %		► <b>M55</b> 31.12.2009 ◀
56	2-Amino-6-chloro-4-nitrophenol (CAS No 6358-09-4) and its salts	(a) Oxidising colouring agents for hair dyeing (b) Non-oxidising colouring agents for hair dyeing	(a) 2,0 % (b) 2,0 %	In combination with hydrogen peroxide the maximum use concentration upon application is 1,0 %		► <b>M55</b> 31.12.2009 ◀

▼ **M11**▼ **M54**▼ **M34**▼ **M54**▼ **M34**

a	b	c	d	e	f	g
_____						
58	Acid Red 33 (CAS No 3567-66-6) (CI 17200) and its salts	Non-oxidising colouring agents for hair dyeing	2,0 %			► <u>M55</u> 31.12.2009 ◀
_____						
_____						

▼ M11▼ M58▼ M34▼ M58▼ M41

▼ **B**

## ANNEX IV

▼ **M10**► **M14** PART 1 ◀

## LIST OF COLOURING AGENTS ALLOWED FOR USE IN COSMETIC PRODUCTS (1)

## Field of application

- Column 1 = Colouring agents allowed in all cosmetic products.  
 Column 2 = Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 Column 3 = Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 Column 4 = Colouring agents allowed exclusively in cosmetic products intended to come into contact only briefly with the skin.

Colour index number or denomination	Colour	Field of application				Other limitations and requirements (2)
		1	2	3	4	
10006	Green				X	
10020	Green			X		
10316 (3)	Yellow		X			
11680	Yellow			X		
11710	Yellow			X		
11725	Orange				X	
11920	Orange	X				
12010	Red			X		
► <b>M18</b> — ◀						
12085 (3)	Red	X				3 % maximum concentration in the finished product
12120	Red				X	
▼ <b>M45</b> —						
▼ <b>M10</b>						
12370	Red				X	
12420	Red				X	
12480	Brown				X	
12490	Red	X				
12700	Yellow				X	► <b>M15</b> — ◀
13015	Yellow	X				E 105
► <b>M13</b> — ◀						
14270	Orange	X				E 103
14700	Red	X				
14720	Red	X				E 122
14815	Red	X				E 125
15510 (3)	Orange		X			
15525	Red	X				
15580	Red	X				
► <b>M18</b> — ◀						

▼ **M10**

Colour index number or denomination	Colour	Field of application				Other limitations and requirements (²)
		1	2	3	4	
15620	Red				X	
15630 (³)	Red	X				3 % maximum concentration in the finished product
15800	Red			X		► <b>M15</b> — ◀
15850 (³)	Red	X				
15865 (³)	Red	X				
15880	Red	X				
15980	Orange	X				E 111
15985 (³)	Yellow	X				E 110
16035	Red	X				
16185	Red	X				E 123
16230	Orange			X		
16255 (³)	Red	X				E 124
16290	Red	X				E 126
17200 ► <b>M17</b> (³) ◀	Red	X				
18050	Red			X		
18130	Red				X	
18690	Yellow				X	
18736	Red				X	
18820	Yellow				X	
18965	Yellow	X				
19140 (³)	Yellow	X				E 102
20040	Yellow				X	maximum 3,3'- dimethylbenzidine concentration in the colouring agent: 5 ppm
▼ <b>M45</b> _____						
▼ <b>M10</b>						
20470	Black				X	► <b>M15</b> — ◀
21100	Yellow				X	maximum 3,3'- dimethylbenzidine concentration in the colouring agent: 5 ppm
21108	Yellow				X	ditto
21230	Yellow			X		
24790	Red				X	
▼ <b>M20</b>						
26100	Red			X		Purity criteria: aniline ≤ 0,2 % 2-naphtol ≤ 0,2 % 4-aminoazobenzene ≤ 0,1 % 1-(phenylazo)-2- naphtol ≤ 3 % 1-[2-(phenylazo)

▼ **M20**

Colour index number or denomination	Colour	Field of application				Other limitations and requirements (²)
		1	2	3	4	
						phenylazo]-2- naphthalenol ≤ 2 %
▼ <b>M45</b>						
▼ <b>M10</b>						
27755	Black	X				E 152
28440	Black	X				E 151
40215	Orange				X	
40800	Orange	X				
40820	Orange	X				E 160 e
40825	Orange	X				E 160 f
40850	Orange	X				E 161 g
42045	Blue			► <b>M17</b> X ◀		► <b>M17</b> — ◀
42051 (³)	Blue	X				E 131
42053	Green	X				
42080	Blue				X	
42090	Blue	X				
42100	Green				X	
42170	Green				X	► <b>M15</b> — ◀
42510	Violet			X		
42520	Violet				X	5 ppm maximum concentration in the finished product
► <b>M17</b> — ◀						
42735	Blue			X		
44045	Blue			► <b>M17</b> X ◀		► <b>M17</b> — ◀
44090	Green	X				E 142
45100	Red				X	
► <b>M18</b> — ◀						
► <b>M18</b> — ◀						
45190	Violet				X	► <b>M15</b> — ◀
45220	Red				X	
45350	Yellow	X				6 % maximum concentration in the finished product
45370 (³)	Orange	X				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
45380 (³)	Red	X				ditto
45396	Orange	X				when used in lipstick, the colouring agent is allowed only in

▼ **M10**

Colour index number or denomination	Colour	Field of application				Other limitations and requirements (2)
		1	2	3	4	
45405	Red		X			free acid form and in a maximum concentration of 1 %  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
45410 (3)	Red	X				ditto
▼ <b>M52</b>						
▼ <b>M10</b>						
45430 (3)	Red	X				E 127 ditto
47000	Yellow			X		► <b>M15</b> — ◀
47005	Yellow	X				E 104
50325	Violet				X	
50420	Black			X		
51319	Violet				X	
58000	Red	X				
59040	Green			X		
60724	Violet				X	
60725	Violet	X				
60730	Violet			X		
61565	Green	X				
61570	Green	X				
61585	Blue				X	
62045	Blue				X	
69800	Blue	X				E 130
69825	Blue	X				
71105	Orange			X		
73000	Blue	X				
73015	Blue	X				E 132
73360	Red	X				
73385	Violet	X				
73900	Violet				X	► <b>M20</b> — ◀
73915	Red				X	
74100	Blue				X	
74160	Blue	X				
74180	Blue				X	► <b>M20</b> — ◀
74260	Green		X			
75100	Yellow	X				
75120	Orange	X				E 160 b

▼ **M10**

Colour index number or denomination	Colour	Field of application				Other limitations and requirements (?)
		1	2	3	4	
75125	Yellow	X				E 160 d
75130	Orange	X				E 160 a
75135	Yellow	X				E 161 d
75170	White	X				
75300	Yellow	X				E 100
75470	Red	X				E 120
75810	Green	X				E 140 and E 141
77000	White	X				E 173
77002	White	X				
77004	White	X				
77007	Blue	X				
77015	Red	X				
77120	White	X				
77163	White	X				
77220	White	X				E 170
77231	White	X				
77266	Black	X				
77267	Black	X				
77268:1	Black	X				E 153

▼ **M12**

77288	Green	X				free from chromate ion
77289	Green	X				free from chromate ion

▼ **M10**

77346	Green	X				
77400	Brown	X				
77480	Brown	X				E 175
77489	Orange	X				E 172
77491	Red	X				E 172
77492	Yellow	X				E 172
77499	Black	X				E 172
77510	Blue	X				free from cyanide ions
77713	White	X				
77742	Violet	X				
77745	Red	X				
77820	White	X				E 174
77891	White	X				E 171
77947	White	X				
Lactoflavin	Yellow	X				E 101
Caramel	Brown	X				E 150
	Orange	X				E 160 c



▼ **M10**

Colour index number or denomination	Colour	Field of application				Other limitations and requirements <sup>(2)</sup>
		1	2	3	4	
Capsanthin, capsorubin						
Beetroot red	Red	X				E 162
Anthocyanins	Red	X				E 163
Aluminium, zinc, magnesium and calcium stearates	White	X				
Bromothymol blue	Blue				X	
Bromocresol green	Green				X	
Acid red 195	Red			X		

▼ **M13**▼ **M10**

- (<sup>1</sup>) Lakes or salts of these colouring agents using substances not prohibited under Annex II or not excluded under Annex V from the scope of this Directive are equally allowed.
- (<sup>2</sup>) Colouring agents whose number is preceded by the letter 'E' in accordance with the EEC Directive of 1962 concerning foodstuffs and colouring matters must fulfil the purity requirements laid down in those Directives. They continue to be subject to the general criteria set out in Annex III to the 1962 Directive concerning colouring matters where the letter 'E' has been deleted therefrom.
- (<sup>3</sup>) The insoluble barium, strontium and zirconium lakes, salts and pigments of these colouring agents shall also be permitted. They must pass the test for insolubility which will be determined by the procedure laid down in Article 8.

▼ **M10****PART 2****LIST OF COLOURING AGENTS PROVISIONALLY ALLOWED FOR USE IN COSMETIC PRODUCTS <sup>(1)</sup>****Field of application**

- Column 1 = Colouring agents allowed in all cosmetic products.
- Column 2 = Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover
- Column 3 = Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.
- Column 4 = Colouring agents allowed exclusively in cosmetic products intended to come into contact only briefly with the skin.

Colour index number or denomination	Colour	Field of application				Other limitations and requirements <sup>(2)</sup>	Authori-zation valid until
		1	2	3	4		
▶ <b>M13</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M20</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M20</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M13</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M17</b> ——— ◀							
▶ <b>M13</b> ——— ◀							
▶ <b>M20</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M20</b> ——— ◀							
▶ <b>M15</b> ——— ◀							
▶ <b>M12</b> ——— ◀							
▶ <b>M13</b> ——— ◀							
▶ <b>M20</b> ——— ◀							

<sup>(1)</sup> Lakes or salts of these colouring agents using substances not prohibited under Annex II or not excluded under Annex V from the scope of this Directive are equally allowed.

<sup>(2)</sup> Colouring agents whose number is preceded by the letter 'E' in accordance with the EEC Directive of 1962 concerning foodstuffs and colouring matters must fulfil the purity requirements laid down in those Directives. They continue to be subject to the general criteria set out in Annex III to the 1962 Directive concerning colouring matters where the letter 'E' has been deleted therefrom.

**▼ B***ANNEX V***LIST OF SUBSTANCES EXCLUDED FROM THE SCOPE OF THE  
DIRECTIVE****▼ M17** \_\_\_\_\_**▼ M12** \_\_\_\_\_**▼ M17** \_\_\_\_\_**▼ M5** \_\_\_\_\_

**▼ M23** 5. Strontium and its compounds, with the exception of strontium lactate, strontium nitrate and strontium polycarboxylate listed in Annex II, strontium sulphide, strontium chloride, strontium acetate, strontium hydroxide, strontium peroxide, under the conditions laid down in Annex III, Part 1 and of strontium lakes, pigments and salts of the colouring agents listed with the reference <sup>(3)</sup> in Annex IV, Part 1.

**▼ M17** \_\_\_\_\_**▼ M18** \_\_\_\_\_**▼ M17** \_\_\_\_\_**▼ M10** \_\_\_\_\_**▼ M8** \_\_\_\_\_

**▼M11***ANNEX VI***LIST OF PRESERVATIVES WHICH COSMETIC PRODUCTS MAY CONTAIN****PREAMBLE**

1. Preservatives are substances which may be added to cosmetic products for the primary purpose of inhibiting the development of micro-organisms in such products.
2. The substances marked with the symbol (\*) may also be added to cosmetic products in concentration other than those laid down in this Annex for other specific purposes apparent from the presentation of the products, e.g. as deodorants in soaps or as anti-dandruff agents in shampoos.
3. Other substances used in the formulation of cosmetic products may also have anti-microbial properties and thus help in the preservation of the products, as, for instance, many essential oils and some alcohols. These substances are not included in this Annex.
4. For the purposes of this list:
  - ‘Salts’ is taken to mean: salts of the cations sodium, potassium, calcium, magnesium, ammonium and ethanalamines; salts of the anions chloride, bromide, sulphate, acetate.
  - ‘Esters’ is taken to mean: esters of methyl, ethyl, propyl, isopropyl, butyl, isobutyl, phenyl.
5. 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 %.

## PART 1

## LIST OF PRESERVATIVES ALLOWED

Reference number	Substance	Maximum authorized concentration	Limitations and requirements	Conditions of use and warnings which must be printed on the label
a	b	c	d	e
1	Benzoic acid (CAS No 65-85-0) and its sodium salt (CAS No 532-32-1)	Rinse-off products, except oral care products: 2,5 % (acid) Oral care 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	0,5 % (acid)		
2	Propionic acid and its salts ► <u>M51</u> ——— ◀	2 % (acid)		
3	Salicylic acid and its salts (*)	0,5 % (acid)	Not to be used in ► <u>M60</u> mixtures ◀ for children under three years of age, except for shampoos	Not to be used for children under three years of age (1)
4	Sorbic acid (hexa-2,4-dienoic acid) and its salts ► <u>M51</u> ——— ◀	0,6 % (acid)		
5	Formaldehyde paraformaldehyde ► <u>M51</u> (*) ◀	0,2 % (except for products for oral hygiene) 0,1 % (products for oral hygiene) expressed as free formaldehyde	Prohibited in aerosol dispensers (sprays)	
► <u>M12</u> ——— ◀				
7	Biphenyl-2-ol (o-phenylphenol) and its salts ► <u>M51</u> ——— ◀	0,2 % expressed as the phenol		
8	Zinc pyrithione (*) (CAS No 13463-41-7)	Hair products: 1,0 % Other products: 0,5 %	Rinse-off products only. No use in products for oral hygiene	

▼ M11▼ M51▼ M11▼ M51

a	b	c	d	e
9	Inorganic sulphites and hydrogen- sulphites (*)	0,2 % expressed as free SO <sub>2</sub>		
11	Chlorobutanol (INN)	0,5 %	Prohibited in aerosol dispensers (sprays)	Contains chlorobutanol
12	4-Hydroxybenzoic acid and its salts and esters ▶ <b>M51</b> ——— ◀	0,4 % (acid) for 1 ester, 0,8 % (acid) for mixtures of esters		
13	3-Acetyl-6-methylpyran-2,4 (3H)-dione (Dehydracetic acid) and its salts	0,6 % (acid)	Prohibited in aerosol dispensers (sprays)	
14	Formic acid and its sodium salt ▶ <b>M51</b> ——— ◀	0,5 % (expressed as acid)		
15	3,3'-Dibromo-4,4'-hexamethylenedioxydi-benzamidine (Dibromohexamidine) and its salts (including isethionate)	0,1 %		
16	Thiomersal (INN)	0,007 % (of Hg) If mixed with other mercurial compounds authorized by this Directive, the maximum concentration of Hg remains fixed at 0,007 %	For eye make-up and eye make-up remover only	Contains thiomersal
17	Phenylmercuric salts (including borate)	Ditto	Ditto	Contains phenylmercuric compounds
18	Undec-10-enoic acid and salts ▶ <b>M51</b> ——— ◀	0,2 % (acid)	See Annex VI, Part 2, No 8	
19	Hexetidine (INN) ▶ <b>M51</b> ——— ◀	0,1 %	▶ <b>M13</b> ——— ◀	
20	5-Bromo-5-nitro-1,3-dioxane	0,1 %	Rinse-off products only Avoid formation of nitrosamines ▶ <b>M15</b> ——— ◀	
21	Bronopol (INN) ▶ <b>M51</b> ——— ◀	0,1 %	Avoid formation of nitrosamines	
22	2,4-Dichlorobenzyl alcohol ▶ <b>M51</b> ——— ◀	0,15 %		

▼ **M11**▼ **M52**▼ **M11**▼ **M23**▼ **M11**

▼ **M11**

a	b	c	d	e
23	Triclocarban (INN) (*)	0,2 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene <1 ppm 3,3',4,4'-Tetrachloroazoxybenzene <1 ppm	
24	4-Chloro-m-cresol ► <b>M51</b> ——— ◀	0,2 %	Prohibited in the products intended to come into contact with mucous membranes	
25	Tricolosan (INN) ► <b>M51</b> ——— ◀	0,3 %		
26	4-Chloro-3,5-xylene ► <b>M51</b> ——— ◀	0,5 %		
27	3,3'-Bis (1-hydroxymethyl-2,5-dioximidazolidin-4-yl)-1,1'-methylenediurea ('imidazolidinyl urea') ► <b>M51</b> ——— ◀	0,6 %		
28	Poly (1-hexamethyleneguanide hydrochloride) ► <b>M51</b> ——— ◀	0,3 %		
29	2-Phenoxyethanol ► <b>M51</b> ——— ◀	1,0 %		
30	Hexamethylenetetramine (methenamine) (INN) ► <b>M51</b> ——— ◀	0,15 %		
31	Methenamine 3-chloroallylochloride (INN)	0,2 %		
32	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one ► <b>M51</b> ——— ◀	0,5 %		
33	1,3-Bis (hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione ► <b>M51</b> ——— ◀	0,6 %		
34	Benzyl alcohol (*)	1,0 %		
35	1-Hydroxy-4-methyl-6(2,4,4-trimethylpentyl) 2-pyridon and its monoethanolamine salt ► <b>M51</b> ——— ◀	1,0 % 0,5 %	Products rinsed off For other products	
37	6,6-Dibromo-4,4-dichloro-2,2'-methylene-diphenol (Bromochlorophen) ► <b>M51</b> ——— ◀	0,1 %		
38	4-Isopropyl-m-cresol	0,1 %		

▼ **M51**▼ **M11**

a	b	c	d	e
39	Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate	► <b>M15</b> 0,0015 % ◀ (of a mixture in the ratio 3:1 of 5-chloro-2-methylisothiazol 3(2H)-one and 2-methylisothiazol-3 (2H)-one		
40	2-Benzyl-4-chlorophenol (chlorophene)	0,2 %		
41	2-Chloroacetamide	0,3 %		Contains chloroacetamide
42	Chlorhexidine (INN) and its digluconate, diacetate and dihydrochloride ► <b>M51</b> ◀	0,3 % expressed as clorhexidine		
43	1-Phenoxypropan-2-ol ► <b>M51</b> (*) ◀	1,0 %	Only for rinse-off products	
44	Alkyl (C12-C22) trimethyl ammonium, bromide and chloride (*)	0,1 %		
45	4,4-dimethyl-1,3-oxazolidine	0,1 %	The pH of the finished product must not be lower than 6	
46	N-(Hydroxymethyl)-N-(dihydroxymethyl)-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	0,5 %		
47	1,6-Di (4-amidinophenoxy)-n-hexane (Hexamidine) and its salts (including isethionate and p-hydroxybenzoate) ► <b>M51</b> ◀	0,1 %		
48	Glutaraldehyde (Pentane-1,5-dial)	0,1 %	Prohibited in aerosols (sprays)	Contains glutaraldehyde (where glutaraldehyde concentration in the finished product exceeds 0,05 %)
49	5-Ethyl-3,7-dioxo-1-azabicyclo [3.3.0] octane	0,3 %	Prohibited in oral hygiene products and in products intended to come into contact with mucous membranes	

▼ **M11**▼ **M12**▼ **M13**▼ **M18**▼ **M20**▼ **M23**



a	b	c	d	e
50	3-(p-chlorophenoxy)-propane-1,2 diol (chlorphenesin)	0,3 %		
51	Sodium hydroxymethylamino acetate (Sodium Hydroxymethylglycinate)	0,5 %		
52	Silver chloride deposited on titanium dioxide	0,004 % calculated as AgCl	20 % AgCl (W/W) on TiO <sub>2</sub> . Prohibited in products for children under three years of age, in oral hygiene products and in products intended for application around the eyes and on the lips	
53	Benzethonium Chloride (INCI)	0,1 %	(a) Rinse-off products, (b) Leave-on products other than for oral care use	
54	Benzalkonium chloride, bromide and saccharinate (+)	0,1% calculated as benzalkonium chloride		Avoid contact with eyes
55	Benzylhemiformal	0,15 %	Only for products to be removed by rinsing	
56	iodopropynyl butylcarbamate (IPBC) 3-iodo-2-propynybutylcarbamate CAS No: 55406-53-6	(a) rinse-off products: 0,02 % (b) leave-on products: 0,01 %, except in deodorants/antiperspirants: 0,0075 %	Not to be used in oral hygiene and lip care products (a) Not to be used in ►M60 mixtures ◀ for children under three years of age, except in bath products/shower gels and shampoo (b) — Not to be used in body lotion and body cream (?) — Not to be used in ►M60 mixtures ◀ for children under three years of age	(a) 'Not to be used for children under three years of age' (?) (b) 'Not to be used for children under three years of age' (?)

▼ **M11**▼ **M25**▼ **M45**▼ **M30**▼ **M31**▼ **M52**

▼ M11

a	b	c	d	e
57	Methylisothiazolinone (INCI)	0,01 %		

▼ M45▼ M11

(1) Solely for products which might be used for children under three years of age and which remain in prolonged contact with the skin.

► **M52** (2) Concerns any products aimed to be applied on a large part of the body.

(3) Solely for products, other than bath products/shower gels and shampoo, which might be used for children under three years of age.

(4) Solely for products which might be used for children under three years of age. ◀

▼ M11

**PART 2**  
**LIST OF PRESERVATIVES PROVISIONALLY ALLOWED**

Reference number	Substance	Maximum authorized concentration	Limitations and requirements	Conditions of use and warnings which must be printed on the label	Allowed until
a	b	c	d	e	f
▶ <u>M15</u> _____ ▼					
▶ <u>M25</u> _____ ▼					
▶ <u>M15</u> _____ ▼					
▶ <u>M18</u> _____ ▼					
▶ <u>M15</u> _____ ▼					
▶ <u>M18</u> _____ ▼					
▶ <u>M13</u> _____ ▼					
▶ <u>M12</u> _____ ▼					
▶ <u>M13</u> _____ ▼					
▶ <u>M12</u> _____ ▼					
▶ <u>M13</u> _____ ▼					
▶ <u>M24</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M18</u> _____ ▼					
▶ <u>M13</u> _____ ▼					
▶ <u>M15</u> _____ ▼					
▶ <u>M20</u> _____ ▼					
▼ <u>M31</u> _____					
▼ <u>M11</u> _____					
▶ <u>M13</u> _____ ▼					
▶ <u>M15</u> _____ ▼					

▼ M31▼ M11

	a	b	c	d	e	f
▼ <u>M11</u>						
	▶ <u>M23</u> _____ ◀					
▼ <u>M31</u>	_____					
▼ <u>M25</u>	_____					

**▼M7***ANNEX VII***List of UV filters which cosmetic products may contain**

For the purposes of this Directive, UV filters are substances which, contained in cosmetic sun-screen products, are specifically intended to filter certain UV rays in order to protect the skin from certain harmful effects of these rays.

These UV filters may be added to other cosmetic products within the limits and under the conditions laid down in this Annex.

Other UV filters used in cosmetic products solely for the purpose of protecting the product against UV rays are not included in this list.

**PART 1**  
**List of permitted UV filters which cosmetic products may contain**

Reference No	Substances	Maximum authorized concentration	Other limitations and requirements	Conditions of use and warnings which must be printed on the label
a	b	c	d	e
2	<i>N,N</i> -Trimethyl-4-(2-oxoborn-3-ylidene-methyl) anilinium methyl sulphate	6 %		
3	Homosalate (INN)	10 %		
4	Oxybenzone (INN)	10 %		Contains oxybenzone (1)
6	2-phenylbenzimidazole-5-sulphonic acid and its potassium, sodium and triethanolamine salts	8 % (expressed as acid)		
7	3,3'-(1,4-Phenylenedimethylene) bis (7,7-dimethyl-2-oxobicyclo-[2,2,1]hept-1-yl-methanesulphonic acid) and its salts	10 % (expressed as acid)		
8	1-(4-tert-butylphenyl)-3-(4-methoxyphenyl)propane-1,3-dione	5 %		
9	alpha-(2-Oxoborn-3-ylidene)-toluene-4-sulphonic acid and its salts	6 % (expressed as acid)		
10	2-cyano-3,3-diphenyl acrylic acid, 2-ethylhexyl ester (Octocrylene)	10 % (expressed as acid)		

▼ M7▼ M59▼ M7▼ M23▼ M22▼ M23▼ M24

a	b	c	d	e
11	Polymer of N-(2 and 4)-(2-oxoborn-3-ylidene)methyl]benzyl]acrylamide	6 %		
12	Octyl methoxycinnamate	10 %		
13	Ethoxylated Ethyl-4-Aminobenzoate (PEG-25 PABA)	10 %		
14	Isopentyl-4-methoxycinnamate (Isoamyl p-Methoxycinnamate)	10 %		
15	2,4,6-Triamino-(p-Carbo-2'-Ethylhexyl-1'Oxy)-1,3,5-Triazine (Octyl Triazone)	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)	15 %		
17	Benzoic acid, 4,4-((6-((1,1-dimethyl-ethyl)amino)carbonyl)phenyl)amino) 1,3,5-triazine-2,4-diyldiimino)bis-, bis-(2-ethylhexyl)ester)	10 %		
18	3-(4'-Methylbenzylidene)-d-1 camphor (4-Methylbenzylidene Camphor)	4 %		
19	3-Benzylidene camphor (3-Benzylidene Camphor)	2 %		
20	2-Ethylhexyl salicylate (Octyl-salicylate)	5 %		
21	4-Dimethyl-amino-benzoate of ethyl-2-hexyl (octyl dimethyl PABA)	8 %		
22	2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid (Benzophenone-5) and its sodium salt	5 % (of acid)		

▼M7

▼M25

▼M28

▼M30

▼M31

▼ M31

a	b	c	d	e
23	2,2'-Methylene-bis-6-(2H-benzotriazol-2-yl)-4-(tetramethyl-butyl)-1,1,3,3-phenol	10 %		
24	Monosodium salt of 2-2-bis-(1,4-phenylene)1H-benzimidazole-4,6-disulphonic acid)	10 % (of acid)		
25	(1,3,5)-Triazine-2,4-bis(4-(2-ethyl-hexyloxy)-2-hydroxy-phenyl)-6-(4-methoxyphenyl)	10 %		
26	Dimethyldiethylbenzalmalonate (CAS No 207574-74-1)	10 %		
27	Titanium dioxide	25 %		
28	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, hexylester (INCI name: Diethylamino Hydroxybenzoyl Hexyl Benzoate; CAS No 302776-68-7)	10 % ▶ <u>M59</u> products	▼	

▼ M34▼ M44▼ M7

(1) Not required if concentration is 0,5 % or less and when it is used only for product protection purposes.



▼ M15

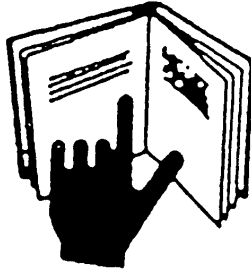
PART 2

LIST OF UV FILTERS WHICH COSMETIC PRODUCTS MAY PROVISIONALLY CONTAIN

Reference number	Substances	Maximum authorized concentration	Other limitations and requirements	Conditions of use and warnings which must be printed on the label	Allowed until
a	b	c	d	e	f
▶ <u>M20</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M20</u> _____ ▼					
▼ <u>M31</u> _____					
▼ <u>M15</u> _____					
▶ <u>M30</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M28</u> _____ ▼					
▶ <u>M20</u> _____ ▼					
▼ <u>M31</u> _____					
▼ <u>M15</u> _____					
▶ <u>M23</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M23</u> _____ ▼					
▼ <u>M31</u> _____					
▼ <u>M15</u> _____					
▶ <u>M22</u> _____ ▼					
▶ <u>M30</u> _____ ▼					
▶ <u>M25</u> _____ ▼					

▼ M21

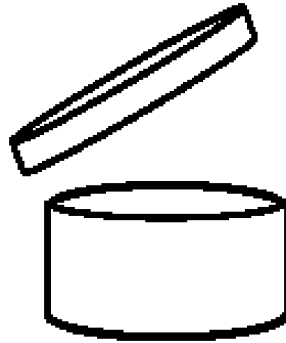
*ANNEX VIII*



▼ M37

*ANNEX VIIIa*

▼ M38



**▼ M42***ANNEX IX***LIST OF VALIDATED ALTERNATIVE METHODS TO ANIMAL TESTING****▼ M60**

This Annex lists the alternative methods validated by the European Centre on Validation of Alternative Methods (ECVAM) of the Joint Research Centre available to meet the requirements of this Directive and which are not listed in Regulation (EC) No 440/2008.

**▼ M42**

Reference number	Validated alternative methods	Nature of replacement full or partial
A	B	C