

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4707-2 (2009): Classification for cosmetic raw materials and adjuncts, Part 2: List of raw materials generally not recognized as safe for use in cosmetics [PCD 19: Cosmetics]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE



भारतीय मानक
सौंदर्य प्रसाधन कच्ची सामग्री और सहायक
सामग्री का वर्गीकरण

भाग 2 कच्ची सामग्री जो कि प्रसाधनों में उपभोग के लिए उपयुक्त नहीं है
(तीसरा पुनरीक्षण)

Indian Standard

**CLASSIFICATION OF COSMETICS RAW MATERIALS
AND ADJUNCTS**

**PART 2 LIST OF RAW MATERIALS GENERALLY NOT RECOGNIZED
AS SAFE FOR USE IN COSMETICS**

(Third Revision)

ICS 71.100.70

© BIS 2009

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Part 2) (Third Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Cosmetics Sectional Committee had been approved by the Petroleum, Coal and Related Products Division Council.

This standard was first published in 1973 and revised to publish it in two parts. Other part is:

Part 1 Dyes, colours and pigments

Through use of the both standards particularly (Part 2), the Committee felt that preparation of such a list is an effective step in guarding against harmful substances being used in formulation of cosmetics. This standard was essentially based on EEC Directive 76/768 with marginal differences in certain parameters in line with restrictions given in *Drugs and Cosmetic Act*, and Rules 1945 (such as permissible limits of fluoride in dentifrice and *m*-, *p*-phenylene diamines for use in hair dyes). Substances, which were provisionally allowed by EEC Directive were not included in this standard.

In the second revision the list was updated to include new materials which either should not form part of cosmetics or to be used with restrictions. This updation was done again based on EEC Directives 2001.

The present revision has also been taken up to align and update the standard with the provisions of EEC Directive 76/768/EEC-2007 currently in vogue.

There is no ISO Standard published by the International Organization for Standardization on the subject title at present.

*Indian Standard***CLASSIFICATION OF COSMETICS RAW MATERIALS
AND ADJUNCTS****PART 2 LIST OF RAW MATERIALS GENERALLY NOT RECOGNIZED
AS SAFE FOR USE IN COSMETICS***(Third Revision)***1 SCOPE**

This standard (Part 2) lists cosmetics raw materials and adjuncts, other than dyes, colours and pigments in the following four groups:

- a) List of substances classified as 'GNRAS' which must not form part of the composition of cosmetic products (*see* Annex A),
- b) List of substances which cosmetic products must not contain except subject to the restrictions and conditions laid down (*see* Annex B),
- c) List of preservatives allowed (*see* Annex C), and
- d) List of U.V. filters allowed in sunscreen products (*see* Annex D).

2 TERMINOLOGY

For the purpose of this standard, the following definitions shall apply:

2.1 'GRAS' List — Ingredients which are generally recognized as safe and which are used in concentration conventionally adopted shall be permissible in cosmetics.

2.2 'GNRAS' List — Ingredients which are generally not recognized as safe and which shall not be permissible either in any amount whatsoever or in amounts exceeding those specifically laid down for cosmetics.

2.3 Preservatives — Substances which may be added to cosmetic products for the primary purpose of inhibiting the development of micro-organisms in such products.

2.4 U.V. Filters — U.V. filters are substances used in cosmetic sunscreen products, which are specifically intended to filter certain U.V. rays in order to protect the skin from certain harmful effects of these rays.

NOTE — Any ingredient classified as 'GNRAS' (*see* Annex A) may be present as an impurity when its concentration is less than what can be detected by standard analytical method. It shall not, however, be used as a component of a preparation.

3 GNRAS LISTS FOR INGREDIENTS OTHER THAN DYES PIGMENTS AND COLOURS

All the ingredients prescribed in this standard have been classified as per the following four lists:

- a) *Annex A* — List of substances which must not form part of the composition of cosmetic products.
- b) *Annex B* — List of substances which cosmetic products must not contain except subject to the restrictions and conditions laid down.
- c) *Annex C* — List of preservatives which cosmetic products may contain.
- d) *Annex D* — List of U.V. filters which cosmetic sunscreen products may contain.

ANNEX A
(Clauses 1 and 3)

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

[Names followed by an asterisk (*) are international non-proprietary names (INN) for pharmaceutical products]

1. N-5-Chlorobenzoxazol-2-ylacetamide
2. 2-Acetoxyethyltrimethylammonium hydroxide (acetylcholine) and its salts
3. Deanol aceglumate (*)
4. Spironolactone*
5. [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 preparations)
12. Aconitine (principal alkaloid of *Aconitum napellus* L.) and its salts
13. *Adonis vernalis* L. and its preparations
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:
22. Aniline, its salts and its halogenated and sulphonated derivatives
23. Betoxycaine* 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. 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. Imperatorin (9-(3-methoxybut-2-enyloxy)furo[3,2-g]chromen-7-one)
35. *Ammi majus* and its galenical preparations
36. 2,3-Dichloro-2-methylbutane
37. Substances with androgenic effect
38. Anthracene oil
39. Antibiotics
40. Antimony and its compounds
41. *Apocynum cannabinum* L. and its preparations
42. Apomorphine (R 5,6, 6a, 7-tetrahydro-6-methyl-4H-dibenzo [de,g] quinoline-10.11-diol) and its salts

43. Arsenic and its compounds
44. *Atropa belladonna* L. and its preparations
45. Atropine, its salts and derivatives
46. Barium salts, with the exception of barium sulphate, barium sulphide under the conditions laid down in Annex B and IS 4707(Part 1).
47. Benzene
48. Benzimidazol-2 (3H)-one
49. Benzazepines and benzodiazepines
50. 1-Dimethylaminomethyl-1-methylpropyl benzoate (amylocaine) and its salts
51. 2,2,6-Trimethyl-4-piperidyl benzoate (benzamine) and its salts
52. *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. Benzilonium 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. (1R, 2S)-Hexahydro-1,2-dimethyl-3,6-epoxyphthalic anhydride (cantharidin)
71. Phenprobamate*
72. 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. 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. 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. Chlormezanone*
92. Triparanol*
93. 2-[2(4-Chlorophenyl)-2-phenylacetyl] indane-1,3-dione (chlorophacinone-ISO)
94. Chlorphenoxamine*
95. 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 preparations
99. *Conium maculatum* L. (fruit, powder, galenical preparations)
100. Glycyclamide*
101. Cobalt benzenesulphonate
102. Colchicine, its salts and derivatives
103. Colchicoside and its derivatives
104. *Golchicum autumnale* L. and its galenical preparations
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
112. 2-4-Cyclohexylbenzyl (N,N,N',N',-tetraethyl)trimethylenediamine (phenetamine)
113. Cyclomenol* and its salts
114. Sodium hexacyclonate*
115. Hexapropymate*
116. Dextropropoxyphene*
117. O,O'-Diacetyl-N-allyl-N-normorphine
118. Pipazetate* and its salts
119. 5-($\alpha\beta$ -Dibromophenethyl)-5-methylhydantoin
120. N,N'-Pentamethylenebis (trimethylammonium salts), for example, pentamethonium bromide*
121. N,N'-[(Methylimino)diethylene]bis(ethylidimethylammonium) salts, for example, azamethonium bromide*
122. Cyclarbamate*
123. Clofenotane*; DDT (ISO)
124. N,N'-Hexamethylenebis(trimethylammonium) salts, for example, hexamethonium bromide*
125. Dichloroethanes (ethylene chlorides)
126. Dichloroethylenes (acetylene chlorides)
127. Lysergide* and its salts
128. 2-Diethylaminoethyl-3-hydroxy-4-phenylbenzoate and its salts
129. Cinchocaine* and its salts
130. 3-Diethylaminopropyl cinnamate
131. O,O'-Diethyl O-4-nitrophenyl phosphorothioate (parathion-ISO)
132. [Oxalybisiminoethylene]bis[*o*-chlorobenzyl]diethylammonium salts], for example, 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. Tetrabenazine* and its salts
140. Captodiame*
141. Mefecloazine* and its salts
142. Dimethylamine
143. 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
150. Succinonitrile
151. Dinitrophenol isomers
152. Inproquone*
153. Dimevamide* and its salts
154. Diphenylpyraline* and its salts
155. Sulfinpyrazone*
156. N-(3-Carbamoyl-3,3-diphenylpropyl)-N,N-diisopropylmethyl-ammo-nium salts, for example, isopropamide iodide*
157. Benactyzine*
158. Benzatropine* and its salts
159. Cyclizine* and its salts
160. 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. Esters of 4-aminobenzoic acid, with the free amino group
168. Choline salts and their esters, for example, 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*
178. 4-Benzyloxyphenol and 4-ethoxyphenol
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*
189. Fluoresone*
190. Fluorouracil*
191. Hydrofluoric acid, its normal salts, its complexes and hydrofluorides with the exception of those given in Annex B.
192. Furfuryltrimethylammonium salts, for example, furtrethonium iodide*
193. Galantamine*
194. Progestogens
195. 1,2,3,4,5,6-Hexachlorocyclohexane (BHC-ISO)
196. (1R,4S,5R,8S)-1,2,3,4,10.10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethano-naphthalene (endrin-ISO)
197. Hexachloroethane
198. (1R,4S,5R,8S)-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 salt
200. Hydrazides and their salts
201. Hydrazine, its derivatives and their salts
202. Octamoxin* and its salts
203. Warfarin* and its salts
204. Ethyl bis(4-hydroxy-2-oxo-1-benzopyran-3-yl) acetate and salts of the acid
205. Methocarbamol*
206. Propatylnitrate*
207. 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 preparations)
212. Pemoline* and its salts
213. Iodine
214. Decamethylenebis(trimethylammonium) salts, for example, decamethonium bromide
215. Ipecacuanha (*Cephaelis ipecacuanha* Brot. and related species) (roots, powder and galenical preparations)
216. (2-Isopropylpent.4-enoyl)urea (apronalide)
217. α -Santonin [(3S,5aR,9bS)-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 preparations
219. Lobeline* and its salts
220. Barbiturates
221. Mercury and its compounds
222. 3,4,5-Trimethoxyphenethylamine and its salts
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. 3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H,5H-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. 3-(1-Naphthyl)-4-hydroxycoumarin
- 244. Naphazoline* and its salts
- 245. Neostigmine and its salts (for example, 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
- 261. Oleandrin
- 262. Chlortalidone*
- 263. Pelletierine and its salts
- 264. Pentachloroethane
- 265. Pentaerithrityl tetranitrate*
- 266. Petrichloral*
- 267. Octamylamine* and its salts
- 268. Picric acid
- 269. Phenacemide*
- 270. Difendoxazine*
- 271. 2-Phenylindan-1,3-dione (phenindione)
- 272. Ethylphenacemide*
- 273. Phenprocoumon*
- 274. Fenyramidol*

275. Triamterene* and its salts
276. 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. α -Piperidin-2-ylbenzyl acetate (SIC! acetate) laevorotatory threoform (levophaceterane) and its salts
285. Pipradrol* and its salts
286. Azacyclonol* and its salts
287. Bietamiverine*
288. Butopiprine* and its salts
289. Lead and its compounds
290. Coniine
291. *Prunus laurocerasus* L. ('cherry laurel water')
292. Metyrapone*
293. Radioactive substances
294. *Juniperus sabina* L. (leaves, essential oil and galenical preparations)
295. Hyoscine, its salts and derivatives
296. Gold salts
297. Selenium and its compounds with the exception of selenium disulphide specified elsewhere in this standard
298. *Solanum nigrum* L. and its galenical preparations
299. Sparteine and its salts
300. Glucocorticoids
301. *Datura stramonium* L. and its galenical preparations
302. Strophantines, their aglucones and their respective derivatives
303. *Strophantus* species and their galenical preparations
304. Strychnine and its salts
305. *Strychnos* species and their galenical preparations
306. Narcotics, natural and synthetic
307. Sulphonamides (sulphanilamide and its derivatives...) and their salts obtained by substitution of one or more H-atoms of the -NH₂ groups) and their salts
308. Sultiame*
309. Neodymium and its salts
310. Thiotepa*
311. *Pilocarpus jaborandi* Holmes and its galenical preparations
312. Tellurium and its compounds
313. Xylometazoline* and its salts
314. Tetrachloroethylene
315. Carbon tetrachloride
316. Hexaethyl tetraphosphate
317. Thallium and its compounds
318. *Thevetia neriifolia* Juss, glycoside extract
319. Ethionamide*
320. Phenothiazine* and its compounds

321. Thiourea and its derivatives, with the exception of the one listed elsewhere in this standard
322. Mephesisin* and its esters
323. Vaccines, toxins or serums
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 preparations
331. Veratrine, its salts and galenical preparations
332. *Schoenocaulon officinale* Lind. (seeds and galenical preparations)
333. *Veratrum Spp.* and their preparations
334. Vinyl chloride monomer
335. Ergocalciferol* and cholecalciferol (vitamins D2 and D3)
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 preparations
346. 2-[4-Methoxybenzyl-N-(2-pyridyl)amino]ethyl dimethylamine maleate
347. Tripelennamine*
348. Tetrachlorosalicylanilides
349. Dichlorosalicylanilides
350. Tetrabromosalicylanilides
351. Dibromosalicylanilides
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 content in natural essences used
358. Furocoumarines (for example, 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.
359. Oil from the seeds of *Laurus nobilis* L.
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
361. 5,5'-Di-isopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihydroiodide
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

363. *o*-phenylenediamine and its salts
364. 4-methyl-*m*-phenylenediamine and its salts.
365. Aristolochic acid and its salts; *Aristolochia* spp. and their preparations
366. Chloroform
367. 2,3,7,8-Tetra chlorodibenzo-*p*-dioxin
368. 2,6-Dimethyl-1,3-dioxan-4-yl acetate (Dimethoxane)
369. Pyrithione sodium (INNM)
370. N-(Trichloromethylthio)-4-cyclohexene-1,2-dicarboximide (captan)
371. 2,2'-Dihydroxy-3,3',5,5',6,6'-hexachlorodiphenylmethane (hexachloro phene)
372. 6-(Piperidinyl)-2,4-pyrimidinediamine 3-oxide (minoxidil) and its salts
373. 3,4',5-Tribromosalicylanilide
374. *Phytolacca* spp. and their preparations
375. Tretinoin (retinoic acid and its salts)
376. 1-Methoxy-2,4-diaminobenzene and their salts
377. 1-Methoxy-2,5-diaminobenzene salts
378. Colouring agent C.I. 12140
379. Colouring agent C.I. 26105
380. Colouring agent C.I. 42555
Colouring agent C.I. 42555-1
Colouring agent C.I. 42555-2
381. Amyl 4-dimethylaminobenzoate, mixed isomers [Padimate A (INN)]
382. 2-Amino-4-nitrophenol
383. 2-Amino-5-nitrophenol
384. 11 α -Hydroxypregn-4-ene-3,20-dione and its esters
385. Colouring agent C.I. 42 640
386. Colouring agent C.I. 13 065
387. Colouring agent C.I. 42 535
388. Colouring agent C.I. 61 554
390. Anti-androgens of steroidal structure
391. Zirconium and its compounds, with the exception of the substances listed elsewhere in this standard
392. Acetonitrile
393. Tetrahydrozoline and its salts
394. Hydroxy-8-quinoline and its sulphate, except for the uses provided elsewhere in this standard
396. Dithio-2,2-bispyridine-dioxide 1,1' (additive with trihydrated magnesium sulphate) -(pyrithione disulphide + magnesium sulphate)
397. Colouring agent C.I. 12075 and its lakes, pigments and salts
398. Colouring agent C.I. 45170 and C.I. 45170:1
399. Lidocaine
400. 1,2-epoxybutane
401. Colouring agent C.I. 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
411. Secondary alkyl-and alkanolamines and their salts
412. 4-Amino-2-nitrophenol
413. 2-Methyl-*m*-phenylenediamine
414. 4-*tert*-Butyl-3-methoxy-2,6-dinitrotoluene (Musk Ambrette)
416. Cells, tissues or products of human origin
417. 3,3-Bis(4-hydroxyphenyl)phthalide (Phenolphthalein*)
418. 3-Imidazol-4-ylacrylic acid and its ethyl ester (urocanic acid)
419. Tallow derivatives may be used provided that the following methods have been used and strictly certified by the producer:
- Transesterification or hydrolysis at least 200°C and at an appropriate corresponding pressure, for 20 min (glycerol, fatty acids and fatty acid esters),
 - Saponification with NaOH 12M (glycerol and soap),
 - Batch process: at 95 °C for 3 h,
or Continuous process: at 140 °C, two bars (2 000 hPa) for 8 min or equivalent conditions.
420. Crude and refined coal tars
421. 1,1,3,3,5,-Pentamethyl-4,6-dinitroindane (moskene)
422. *tert*-Butyl-1,2,3-trimethyl-4,6-dinitrobenzene (musk tibetene)
423. lanroot 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 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-butenolate (CAS No. 623-43-8), when used as a fragrance ingredient.
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.

451. Methyleneugenol (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 percent in fine fragrance,
 - b) 0.004 percent in eau de toilette,
 - c) 0.002 percent in fragrance cream,
 - d) 0.001 percent in rinse-off products, and
 - e) 0.000 2 percent in other leave-on products and oral hygiene products.
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 ≥ 0.1 percent w/w Butadiene
465. Butane (CAS No. 106-97-8), if it contains ≥ 0.1 percent w/w Butadiene
466. Gases (petroleum), C_{3-4} (CAS No. 68131-75-9), if they contain > 0.1 percent 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 percent w/w Butadiene
468. Tail gas (petroleum), catalytic polymn. naphtha fractionation stabiliser (CAS No. 68307-99-3), if it contains > 0.1 percent 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 percent w/w Butadiene
470. Tail gas (petroleum), cracked distillate hydrotreater stripper (CAS No. 68308-01-0), if it contains > 0.1 percent w/w Butadiene
471. Tail gas (petroleum), gas oil catalytic cracking absorber (CAS No 68308-03-2), if it contains > 0.1 percent w/w Butadiene
472. Tail gas (petroleum), gas recovery plant (CAS No. 68308-04-3), if it contains > 0.1 percent w/w Butadiene
473. Tail gas (petroleum), gas recovery plant deethaniser (CAS No. 68308-05-4), if it contains > 0.1 percent 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 percent 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 percent w/w Butadiene
476. Tail gas (petroleum), isomerised naphtha fractionation stabiliser (CAS No. 68308-08-7), if it contains > 0.1 percent 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 percent w/w Butadiene
478. Tail gas (petroleum), straight-run distillate hydrodesulfurised, hydrogen sulfide-free (CAS No. 68308-10-1), if it contains > 0.1 percent w/w Butadiene
479. Tail gas (petroleum), propane-propylene alkylation feed prep deethaniser (CAS No. 68308-11-2), if it contains > 0.1 percent w/w Butadiene
480. Tail gas (petroleum), vacuum gas oil hydrodesulfurised, hydrogen sulfide-free (CAS No. 68308-12-3), if it contains > 0.1 percent w/w Butadiene
481. Gases (petroleum), catalytic cracked overheads (CAS No. 68409-99-4), if they contain > 0.1 percent w/w Butadiene

482. Alkanes, C_{1,2} (CAS No. 68475-57-0), if they contain > 0.1 percent w/w Butadiene
483. Alkanes, C_{2,3} (CAS No. 68475-58-1), if they contain > 0.1 percent w/w Butadiene
484. Alkanes, C_{3,4} (CAS No. 68475-59-2), if they contain > 0.1 percent w/w Butadiene
485. Alkanes, C_{4,5} (CAS No. 68475-60-5), if they contain > 0.1 percent w/w Butadiene
486. Fuel-gases (CAS No. 68476-26-6), if they contain > 0.1 percent w/w Butadiene
487. Fuel gases, crude oil distillates (CAS No. 68476-29-9), if they contain > 0.1 percent w/w Butadiene
488. Hydrocarbons, (CAS No. 68476-40-4), if they contain > 0.1 percent w/w Butadiene
489. Hydrocarbons, C_{4,5} (CAS No. 68476-42-6), if they contain > 0.1 percent w/w Butadiene
490. Hydrocarbons, C_{2,4}, C₃-rich (CAS No. 68476-49-3), if they contain > 0.1 percent w/w Butadiene
491. Petroleum gases, liquefied (CAS No. 68476-85-7), if they contain > 0.1 percent w/w Butadiene
492. Petroleum gases, liquefied, sweetened (CAS No. 68476-86-8), if they contain > 0.1 percent w/w Butadiene
493. Gases (petroleum), C_{3,4}, isobutane-rich (CAS No. 68477-33-8), if they contain > 0.1 percent w/w Butadiene
494. Distillates (petroleum), C_{3,6}, piperylene-rich (CAS No. 68477-35-0), if they contain > 0.1 percent w/w Butadiene
495. Gases (petroleum), amine system feed (CAS No. 68477-65-6), if they contain > 0.1 percent w/w Butadiene
496. Gases (petroleum), benzene unit hydrodesulferised off (CAS No. 68477-66-7), if they contain > 0.1 percent w/w Butadiene
497. Gases (petroleum), benzene unit recycle, hydrogen-rich (CAS No. 68477-67-8), if they contain > 0.1 percent w/w Butadiene
498. Gases (petroleum), blend oil, hydrogen-nitrogen-rich (CAS No. 68477-68-9), if they contain > 0.1 percent w/w Butadiene
499. Gases (petroleum), butane splitter overheads (CAS No. 68477-69-0), if they contain > 0.1 percent w/w Butadiene
500. Gases (petroleum), C_{2,3} (CAS No. 68477-70-3), if they contain > 0.1 percent w/w Butadiene
501. Gases (petroleum), catalytic-cracked gas oil depropaniser bottoms, C₄-rich acid-free (CAS No. 68477-71-4), if they contain > 0.1 percent w/w Butadiene
502. Gases (petroleum), catalytic-cracked naphtha debutaniser bottoms, C_{3,5}-rich (CAS No. 68477-72-5), if they contain > 0.1 percent w/w Butadiene
503. Gases (petroleum), catalytic cracked naphtha depropaniser overhead, C₃ rich acid-free (CAS No. 68477-73-6), if they contain > 0.1 percent w/w Butadiene
504. Gases (petroleum), catalytic cracker (CAS No. 68477-74-7), if they contain > 0.1 percent w/w Butadiene
505. Gases (petroleum), catalytic cracker, C_{1,5}-rich (CAS No. 68477-75-8), if they contain > 0.1 percent w/w Butadiene
506. Gases (petroleum), catalytic polymd. naphtha stabiliser overhead, C_{2,4}-rich (CAS No. 68477-76-9), if they contain > 0.1 percent w/w Butadiene
507. Gases (petroleum), catalytic reformed naphtha stripper overheads (CAS No. 68477-77-0), if they contain > 0.1 percent w/w Butadiene
508. Gases (petroleum), catalytic reformer, C_{1,4}-rich (CAS No. 68477-79-2), if they contain > 0.1 percent w/w Butadiene
509. Gases (petroleum), C_{6,8} catalytic reformer recycle (CAS No. 68477-80-5), if they contain > 0.1 percent w/w Butadiene
510. Gases (petroleum), C_{6,8} catalytic reformer (CAS No. 68477-81-6), if they contain > 0.1 percent w/w Butadiene
511. Gases (petroleum), C_{6,8} catalytic reformer recycle, hydrogen-rich (CAS No. 68477-82-7), if they contain > 0.1 percent w/w Butadiene
512. Gases (petroleum), C_{3,5} olefinic-paraffinic alkylation feed (CAS No. 68477-83-8), if they contain > 0.1 percent w/w Butadiene

513. Gases (petroleum), C₂-return stream (CAS No. 68477-84-9), if they contain > 0.1 percent w/w Butadiene
514. Gases (petroleum), C₄-rich (CAS No. 68477-85-0), if they contain > 0.1 percent w/w Butadiene
515. Gases (petroleum), deethaniser overheads (CAS No. 68477-86-1), if they contain > 0.1 percent w/w Butadiene
516. Gases (petroleum), deisobutaniser tower overheads (CAS No. 68477-87-2), if they contain > 0.1 percent w/w Butadiene
517. Gases (petroleum), depropaniser dry, propene-rich (CAS No. 68477-90-7), if they contain > 0.1 percent w/w Butadiene
518. Gases (petroleum), depropaniser overheads (CAS No. 68477-91-8), if they contain > 0.1 percent w/w Butadiene
519. Gases (petroleum), dry sour, gas-concn.-unit-off (CAS No. 68477-92-9), if they contain > 0.1 percent w/w Butadiene
520. Gases (petroleum), gas concn. reabsorber distn. (CAS No. 68477-93-0), if they contain > 0.1 percent w/w Butadiene
521. Gases (petroleum), gas recovery plant depropaniser overheads (CAS No. 68477-94-1), if they contain > 0.1 percent w/w Butadiene
522. Gases (petroleum), Girbatol unit feed (CAS No. 68477-95-2), if they contain > 0.1 percent w/w Butadiene
523. Gases (petroleum), hydrogen absorber off (CAS No. 68477-96-3), if they contain > 0.1 percent w/w Butadiene
524. Gases (petroleum), hydrogen-rich (CAS No. 68477-97-4), if they contain > 0.1 percent w/w Butadiene
525. Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich (CAS No. 68477-98-5), if they contain > 0.1 percent w/w Butadiene
526. Gases (petroleum), isomerised naphtha fractionator, C₄-rich, hydrogen sulfide-free (CAS No. 68477-99-6), if they contain > 0.1 percent w/w Butadiene
527. Gases (petroleum), recycle, hydrogen-rich (CAS No. 68478-00-2), if they contain > 0.1 percent w/w Butadiene
528. Gases (petroleum), reformer make-up, hydrogen-rich (CAS No. 68478-01-3), if they contain > 0.1 percent w/w Butadiene
529. Gases (petroleum), reforming hydrotreater (CAS No. 68478-02-4), if they contain > 0.1 percent w/w Butadiene
530. Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich (CAS No. 68478-03-5), if they contain > 0.1 percent w/w Butadiene
531. Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich (CAS No. 68478-04-6), if they contain > 0.1 percent w/w Butadiene
532. Gases (petroleum), thermal cracking distn. (CAS No. 68478-05-7), if they contain > 0.1 percent 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 percent w/w Butadiene
534. Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber (CAS No. 68478-22-8), if it contains > 0.1 percent 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 percent w/w Butadiene
536. Tail gas (petroleum), catalytic cracker refractionation absorber (CAS No. 68478-25-1), if it contains > 0.1 percent w/w Butadiene
537. Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser (CAS No. 68478-26-2), if it contains > 0.1 percent w/w Butadiene
538. Tail gas (petroleum), catalytic reformed naphtha separator (CAS No. 68478-27-3), if it contains > 0.1 percent w/w Butadiene
539. Tail gas (petroleum), catalytic reformed naphtha stabiliser (CAS No. 68478-28-4), if it contains > 0.1 percent w/w Butadiene

540. Tail gas (petroleum), cracked distillate hydrotreater separator (CAS No. 68478-29-5), if it contains > 0.1 percent w/w Butadiene
541. Tail gas (petroleum), hydrodesulfurised straight-run naphtha separator (CAS No. 68478-30-8), if it contains > 0.1 percent w/w Butadiene
542. Tail gas (petroleum), saturate gas plant mixed stream, C₄-rich (CAS No. 68478-32-0), if it contains > 0.1 percent w/w Butadiene
543. Tail gas (petroleum), saturate gas recovery plant, C_{1,2}-rich (CAS No. 68478-33-1), if it contains > 0.1 percent w/w Butadiene
544. Tail gas (petroleum), vacuum residues thermal cracker (CAS No. 68478-34-2), if it contains > 0.1 percent w/w Butadiene
545. Hydrocarbons, C_{3,4}-rich, petroleum distillate (CAS No. 68512-91-4), if they contain > 0.1 percent w/w Butadiene
546. Gases (petroleum), catalytic reformed straight-run naphtha stabiliser overheads (CAS No. 68513-14-4), if they contain > 0.1 percent w/w Butadiene
547. Gases (petroleum), full-range straight-run naphtha dehexaniser off (CAS No. 68513-15-5), if they contain > 0.1 percent w/w Butadiene
548. Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich (CAS No. 68513-16-6), if they contain > 0.1 percent w/w Butadiene
549. Gases (petroleum), light straight-run naphtha stabiliser off (CAS No. 68513-17-7), if they contain > 0.1 percent w/w Butadiene
550. Gases (petroleum), reformer effluent high-pressure flash drum off (CAS No. 68513-18-8), if they contain > 0.1 percent w/w Butadiene
551. Gases (petroleum), reformer effluent low-pressure flash drum off (CAS No. 68513-19-9), if they contain > 0.1 percent w/w Butadiene
552. Residues (petroleum), alkylation splitter, C₄-rich (CAS No. 68513-66-6), if they contain > 0.1 percent w/w Butadiene
553. Hydrocarbons, C_{1,4} (CAS No. 68514-31-8), if they contain > 0.1 percent w/w Butadiene
554. Hydrocarbons, C_{1,4}, sweetened (CAS No. 68514-36-3), if they contain > 0.1 percent w/w Butadiene
555. Gases (petroleum), oil refinery gas distribution off (CAS No. 68527-15-1), if they contain > 0.1 percent w/w Butadiene
556. Hydrocarbons, C_{1,3} (CAS No. 68527-16-2), if they contain > 0.1 percent w/w Butadiene
557. Hydrocarbons, C_{1,4}, debutanizer fraction (CAS No. 68527-19-5), if they contain > 0.1 percent w/w Butadiene
558. Gases (petroleum), benzene unit hydrotreater depentaniser overheads (CAS No. 68602-82-4), if they contain > 0.1 percent w/w Butadiene
559. Gases (petroleum), C_{1,5}, wet (CAS No. 68602-83-5), if they contain > 0.1 percent w/w Butadiene
560. Gases (petroleum), secondary absorber off, fluidised catalytic cracker over heads fractionator (CAS No. 68602-84-6), if they contain > 0.1 percent w/w Butadiene
561. Hydrocarbons, C_{2,4} (CAS No. 68606-25-7), if they contain > 0.1 percent w/w Butadiene
562. Hydrocarbons, C₃ (CAS No. 68606-26-8), if they contain > 0.1 percent w/w Butadiene
563. Gases (petroleum), alkylation feed (CAS No. 68606-27-9), if they contain > 0.1 percent w/w Butadiene
564. Gases (petroleum), depropaniser bottoms fractionation off (CAS No. 68606-34-8), if they contain > 0.1 percent w/w Butadiene
565. Petroleum products, refinery gases (CAS No. 68607-11-4), if they contain > 0.1 percent w/w Butadiene
566. Gases (petroleum), hydrocracking low-pressure separator (CAS No. 68783-06-2), if they contain > 0.1 percent w/w Butadiene
567. Gases (petroleum), refinery blend (CAS No. 68783-07-3), if they contain > 0.1 percent w/w Butadiene
568. Gases (petroleum), catalytic cracking (CAS No. 68783-64-2), if they contain > 0.1 percent w/w Butadiene

569. Gases (petroleum), C₂₋₄, sweetened (CAS No. 68783-65-3), if they contain > 0.1 percent w/w Butadiene
570. Gases (petroleum), refinery (CAS No. 68814-67-5), if they contain > 0.1 percent w/w Butadiene
571. Gases (petroleum), platformer products separator off (CAS No. 68814-90-4), if they contain > 0.1 percent w/w Butadiene
572. Gases (petroleum), hydrotreated sour kerosine depentaniser stabiliser off (CAS No. 68911-58-0), if they contain > 0.1 percent w/w Butadiene
573. Gases (petroleum), hydrotreated sour kerosine flash drum (CAS No. 68911-59-1), if they contain > 0.1 percent w/w Butadiene
574. Gases (petroleum), crude oil fractionation off (CAS No. 68918-99-0), if they contain > 0.1 percent w/w Butadiene
575. Gases (petroleum), dehexaniser off (CAS No. 68919-00-6), if they contain > 0.1 percent w/w Butadiene
576. Gases (petroleum), distillate unifier desulfurisation tripper off (CAS No. 68919-01-7), if they contain > 0.1 percent w/w Butadiene
577. Gases (petroleum), fluidised catalytic cracker fractionation off (CAS No. 68919-02-8) if they contain > 0.1 percent w/w Butadiene
578. Gases (petroleum), fluidised catalytic cracker scrubbing secondary absorber off (CAS No. 68919-03-9), if they contain > 0.1 percent w/w Butadiene
579. Gases (petroleum), heavy distillate hydrotreater desulfurisation stripper off (CAS No. 68919-04-0), if they contain > 0.1 percent w/w Butadiene
580. Gases (petroleum), light straight run gasoline fractionation stabiliser off (CAS No. 68919-05-1), if they contain > 0.1 percent w/w Butadiene
581. Gases (petroleum), naphtha unifier desulfurisation stripper off (CAS No. 68919-06-2), if they contain > 0.1 percent w/w Butadiene
582. Gases (petroleum), platformer stabiliser off, light ends fractionation (CAS No. 68919-07-3), if they contain > 0.1 percent w/w Butadiene
583. Gases (petroleum), preflash tower off, crude distn. (CAS No. 68919-08-4), if they contain > 0.1 percent w/w Butadiene
584. Gases (petroleum), straight-run naphtha catalytic reforming off (CAS No. 68919-09-5), if they contain > 0.1 percent w/w Butadiene
585. Gases (petroleum), straight-run stabiliser off (CAS No. 68919-10-8), if they contain > 0.1 percent w/w Butadiene
586. Gases (petroleum), tar stripper off (CAS No. 68919-11-9), if they contain > 0.1 percent w/w Butadiene
587. Gases (petroleum), unifier stripper off (CAS No. 68919-12-0), if they contain > 0.1 percent w/w Butadiene
588. Gases (petroleum), fluidised catalytic cracker splitter overheads (CAS No. 68919-20-0), if they contain > 0.1 percent w/w Butadiene
589. Gases (petroleum), catalytic cracked naphtha debutanizer (CAS No. 68952-76-1), if they contain > 0.1 percent w/w Butadiene
590. Tail gas (petroleum), catalytic cracked distillate and naphtha stabiliser (CAS No. 68952-77-2), if it contains > 0.1 percent w/w Butadiene
591. Tail gas (petroleum), catalytic hydrodesulfurised naphtha separator (CAS No. 68952-79-4), if it contains > 0.1 percent w/w Butadiene
592. Tail gas (petroleum), straight-run naphtha hydrodesulfurised (CAS No. 68952-80-7), if it contains > 0.1 percent 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 percent w/w Butadiene
594. Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabiliser, petroleum coking (CAS No. 68952-82-9), if it contains > 0.1 percent w/w Butadiene
595. Gases (petroleum), light steam-cracked, butadiene conc. (CAS No. 68955-28-2), if they contain > 0.1 percent 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 percent w/w Butadiene
597. Gases (petroleum), straight-run naphtha catalytic reformer stabiliser overhead (CAS No. 68955-34-0), if they contain > 0.1 percent w/w Butadiene
598. Gases (petroleum), crude distn. and catalytic cracking (CAS No. 68989-88-8), if they contain > 0.1 percent w/w Butadiene
599. Hydrocarbons, C₄ (CAS No. 87741-01-3), if they contain > 0.1 percent w/w Butadiene
600. Alkanes, C₁₋₄, C₃-rich (CAS No. 90622-55-2), if they contain > 0.1 percent w/w Butadiene
601. Gases (petroleum), gas oil diethanolamine scrubber off (CAS No. 92045-15-3), if they contain > 0.1 percent w/w Butadiene
602. Gases (petroleum), gas oil hydrodesulfurisation effluent (CAS No. 92045-16-4), if they contain > 0.1 percent w/w Butadiene
603. Gases (petroleum), gas oil hydrodesulfurisation purge (CAS No. 92045-17-5), if they contain > 0.1 percent w/w Butadiene
604. Gases (petroleum), hydrogenator effluent flash drum off (CAS No. 92045-18-6), if they contain > 0.1 percent w/w Butadiene
605. Gases (petroleum), naphtha steam cracking high-pressure residual (CAS No. 92045-19-7), if they contain > 0.1 percent w/w Butadiene
606. Gases (petroleum), residue visbreaking off (CAS No. 92045-20-0), if they contain > 0.1 percent w/w Butadiene
607. Gases (petroleum), steam-cracker C₃-rich (CAS No. 92045-22-2), if they contain > 0.1 percent w/w Butadiene
608. Hydrocarbons, C₄, steam-cracker distillate (CAS No. 92045-23-3), if they contain > 0.1 percent w/w Butadiene
609. Petroleum gases, liquefied, sweetened, C₄ fraction (CAS No. 92045-80-2), if they contain > 0.1 percent w/w Butadiene
610. Hydrocarbons, C₄, 1,3-butadiene-and isobutene-free (CAS No. 95465-89-7), if they contain > 0.1 percent w/w Butadiene
611. Raffinates (petroleum), steam-cracked C₄ fraction cuprous ammonium acetate extn., C₃₋₅ unsatd., butadiene-free (CAS No. 97722-19-5), if they contain > 0.1 percent 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 percent w/w benzo[a]pyrene
614. Distillates (coal-petroleum), condensed-ring arom. (CAS No. 68188-48-7), if they contain > 0.005 percent w/w benzo[a]pyrene
615. Deleted through Amendment No. M 47 Commission Directive 2005/80/EC of 21 November 2005.
616. Deleted through Amendment No. M 47 Commission Directive 2005/80/EC of 21 November 2005.
617. Creosote oil, acenaphthene fraction, acenaphthene-free (CAS No. 90640-85-0), if it contains > 0.005 percent w/w benzo[a]pyrene
618. Pitch, coal tar, low-temp. (CAS No. 90669-57-1), if it contains > 0.005 percent w/w benzo[a]pyrene
619. Pitch, coal tar, low-temp., heat-treated (CAS No. 90669-58-2), if it contains > 0.005 percent w/w benzo[a]pyrene
620. Pitch, coal tar, low-temp., oxidised (CAS No. 90669-59-3), if it contains > 0.005 percent w/w benzo[a]pyrene
621. Extract residues (coal), brown (CAS No. 91697-23-3), if they contain > 0.005 percent w/w benzo[a]pyrene
622. Paraffin waxes (coal), brown-coal high-temp. tar (CAS No. 92045-71-1), if they contain > 0.005 percent 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 percent w/w benzo[a]pyrene
624. Waste solids, coal-tar pitch coking (CAS No. 92062-34-5), if they contain > 0.005 percent w/w benzo[a]pyrene

625. Pitch, coal tar, high-temp., secondary (CAS No. 94114-13-3), if it contains > 0.005 percent w/w benzo[a]pyrene
626. Residues (coal), liq. solvent extn. (CAS No. 94114-46-2), if they contain > 0.005 percent w/w benzo[a]pyrene
627. Coal liquids, liq. solvent extn. soln. (CAS No. 94114-47-3), if they contain > 0.005 percent w/w benzo[a]pyrene
628. Coal liquids, liq. solvent extn. (CAS No. 94114-48-4), if they contain > 0.005 percent w/w benzo[a]pyrene
629. Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated (CAS No. 97926-76-6), if they contain > 0.005 percent 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 percent 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 percent w/w benzo[a]pyrene
632. Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction (CAS No. 101316-45-4), if they contain > 0.005 percent w/w benzo[a]pyrene
633. Aromatic hydrocarbons, C₂₀₋₂₈, polycyclic, mixed coal-tar pitch-polyethy-lene polypropylene pyrolysis-derived (CAS No. 101794-74-5), if they contain > 0.005 percent w/w benzo[a]pyrene
634. Aromatic hydrocarbons, C₂₀₋₂₈, polycyclic, mixed coal-tar pitch-polyethy-lene pyrolysis-derived (CAS No. 101794-75-6), if they contain > 0.005 percent w/w benzo[a]pyrene
635. Aromatic hydrocarbons, C₂₀₋₂₈, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived (CAS No. 101794-76-7), if they contain > 0.005 percent w/w benzo[a]pyrene
636. Pitch, coal tar, high-temp., heat-treated (CAS No. 121575-60-8), if it contains > 0.005 percent 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. α, α, α -Trichlorotoluene (CAS No. 98-07-7)
650. α -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. (2*RS*,3*RS*)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1*H*-1,2,4-triazol-1-yl methyl]oxirane (CAS No. 133855-98-8) 664. Chloromethyl methyl ether (CAS No. 107-30-2)
665. 2-Methoxyethanol (CAS No. 109-86-4)
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 (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)
687. Dinitrotoluene, technical grade (CAS No. 121-14-2)
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)
706. 4,4'-(4-Iminocyclohexa-2,5-dienylidene)methylene 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(1H,3H,5H)-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)
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)pheny-loxy]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-diy]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-Q,Q',Q'',Q''']copper (II) (EC No. 413-590-3)
759. A mixture of: *N*-[3-Hydroxy-2-(2-methylacryloylamino-methoxy)propoxy-methyl]-2-methylacrylamide and *N*-2,3-bis-(2-Methylacryloylamino-methoxy)propoxymethyl]-2-methylacrylamide and methacrylamide and 2-methyl-*N*-(2-methylacryloylamino-methoxymethyl)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 percent w/w DMSO extract
765. Distillates (petroleum), solvent-refined heavy paraffinic (CAS No. 64741-88-4), if they contain > 3 percent w/w DMSO extract
766. Distillates (petroleum), solvent-refined light paraffinic (CAS No. 64741-89-5), if they contain > 3 percent w/w DMSO extract
767. Residual oils (petroleum), solvent deasphalted (CAS No. 64741-95-3), if they contain > 3 percent w/w DMSO extract
768. Distillates (petroleum), solvent-refined heavy naphthenic (CAS No. 64741-96-4), if they contain > 3 percent w/w DMSO extract
769. Distillates (petroleum), solvent-refined light naphthenic (CAS No. 64741-97-5), if they contain > 3 percent w/w DMSO extract
770. Residual oils (petroleum), solvent-refined (CAS No. 64742-01-4), if they contain > 3 percent w/w DMSO extract
771. Distillates (petroleum), clay-treated heavy paraffinic (CAS No. 64742-36-5), if they contain > 3 percent w/w DMSO extract
772. Distillates (petroleum), clay-treated light paraffinic (CAS No. 64742-37-6), if they contain > 3 percent w/w DMSO extract
773. Residual oils (petroleum), clay-treated (CAS No. 64742-41-2), if they contain > 3 percent w/w DMSO extract
774. Distillates (petroleum), clay-treated heavy naphthenic (CAS No. 64742-44-5), if they contain > 3 percent w/w DMSO extract
775. Distillates (petroleum), clay-treated light naphthenic (CAS No. 64742-45-6), if they contain > 3 percent w/w DMSO extract
776. Distillates (petroleum), hydrotreated heavy naphthenic (CAS No. 64742-52-5), if they contain > 3 percent w/w DMSO extract
777. Distillates (petroleum), hydrotreated light naphthenic (CAS No. 64742-53-6), if they contain > 3 percent w/w DMSO extract
778. Distillates (petroleum), hydrotreated heavy paraffinic (CAS No. 64742-54-7), if they contain > 3 percent w/w DMSO extract
779. Distillates (petroleum), hydrotreated light paraffinic (CAS No. 64742-55-8), if they contain > 3 percent w/w DMSO extract
780. Distillates (petroleum), solvent-dewaxed light paraffinic (CAS No. 64742-56-9), if they contain > 3 percent w/w DMSO extract
781. Residual oils (petroleum), hydrotreated (CAS No. 64742-57-0), if they contain > 3 percent w/w DMSO extract
782. Residual oils (petroleum), solvent-dewaxed (CAS No. 64742-62-7), if they contain > 3 percent w/w DMSO extract

783. Distillates (petroleum), solvent-dewaxed heavy naphthenic (CAS No. 64742-63-8), if they contain > 3 percent w/w DMSO extract
784. Distillates (petroleum), solvent-dewaxed light naphthenic (CAS No. 64742-64-9), if they contain > 3 percent w/w DMSO extract
785. Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS No. 64742-65-0), if they contain > 3 percent w/w DMSO extract
786. Footh oil (petroleum) (CAS No. 64742-67-2), if it contains > 3 percent w/w DMSO extract
787. Naphthenic oils (petroleum), catalytic dewaxed heavy (CAS No. 64742-68-3), if they contain > 3 percent w/w DMSO extract
788. Naphthenic oils (petroleum), catalytic dewaxed light (CAS No. 64742-69-4), if they contain > 3 percent w/w DMSO extract
789. Paraffin oils (petroleum), catalytic dewaxed heavy (CAS No. 64742-70-7), if they contain > 3 percent w/w DMSO extract
790. Paraffin oils (petroleum), catalytic dewaxed light (CAS No. 64742-71-8), if they contain > 3 percent w/w DMSO extract
791. Naphthenic oils (petroleum), complex dewaxed heavy (CAS No. 64742-75-2), if they contain > 3 percent w/w DMSO extract
792. Naphthenic oils (petroleum), complex dewaxed light (CAS No. 64742-76-3), if they contain > 3 percent w/w DMSO extract
793. Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc. (CAS No. 68783-00-6), if they contain > 3 percent w/w DMSO extract
794. Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent (CAS No. 68783-04-0), if they contain > 3 percent w/w DMSO extract
795. Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted (CAS No. 68814-89-1), if they contain > 3 percent w/w DMSO extract
796. Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based, high-viscosity (CAS No. 72623-85-9), if they contain > 3 percent w/w DMSO extract
797. Lubricating oils (petroleum), C₁₅₋₃₀, hydrotreated neutral oil-based (CAS No. 72623-86-0), if they contain > 3 percent w/w DMSO extract
798. Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based (CAS No. 72623-87-1), if they contain > 3 percent w/w DMSO extract
799. Lubricating oils (CAS No. 74869-22-0), if they contain > 3 percent w/w DMSO extract
800. Distillates (petroleum), complex dewaxed heavy paraffinic (CAS No. 90640-91-8), if they contain > 3 percent w/w DMSO extract
801. Distillates (petroleum), complex dewaxed light paraffinic (CAS No. 90640-92-9), if they contain > 3 percent w/w DMSO extract
802. Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated (CAS No. 90640-94-1), if they contain > 3 percent w/w DMSO extract
803. Hydrocarbons, C₂₀₋₅₀, solvent dewaxed heavy paraffinic, hydrotreated (CAS No. 90640-95-2), if they contain > 3 percent w/w DMSO extract
804. Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated (CAS No. 90640-96-3), if they contain > 3 percent w/w DMSO extract
805. Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated (CAS No. 90640-97-4), if they contain > 3 percent w/w DMSO extract
806. Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated (CAS No. 90641-07-9), if they contain > 3 percent w/w DMSO extract
807. Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated (CAS No. 90641-08-0), if they contain > 3 percent w/w DMSO extract
808. Extracts (petroleum), light paraffinic distillate solvent, hydrotreated (CAS No. 90641-09-1), if they contain > 3 percent w/w DMSO extract
809. Residual oils (petroleum), hydrotreated solvent dewaxed (CAS No. 90669-74-2), if they contain > 3 percent w/w DMSO extract

810. Residual oils (petroleum), catalytic dewaxed (CAS No. 91770-57-9), if they contain > 3 percent w/w DMSO extract
811. Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated (CAS No. 91995-39-0) if they contain > 3 percent w/w DMSO extract
812. Distillates (petroleum), dewaxed light paraffinic, hydrotreated (CAS No. 91995-40-3), if they contain > 3 percent w/w DMSO extract
813. Distillates (petroleum), hydrocracked solvent-refined, dewaxed (CAS No. 91995-45-8), if they contain > 3 percent w/w DMSO extract
814. Distillates (petroleum), solvent-refined light naphthenic, hydrotreated (CAS No. 91995-54-9), if they contain > 3 percent w/w DMSO extract
815. Extracts (petroleum), hydrotreated light paraffinic distillate solvent (CAS No. 91995-73-2), if they contain > 3 percent w/w DMSO extract
816. Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurised (CAS No. 91995-75-4), if they contain > 3 percent w/w DMSO extract
817. Extracts (petroleum), light paraffinic distillate solvent, acid-treated (CAS No. 91995-76-5), if they contain > 3 percent w/w DMSO extract
818. Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurised (CAS No. 91995-77-6), if they contain > 3 percent w/w DMSO extract
819. Extracts (petroleum), light vacuum gas oil solvent, hydrotreated (CAS No. 91995-79-8), if they contain > 3 percent w/w DMSO extract
820. Foots oil (petroleum), hydrotreated (CAS No. 92045-12-0), if it contains > 3 percent w/w DMSO extract
821. Lubricating oils (petroleum), C₁₇₋₃₅, solvent-extd., dewaxed, hydrotreated (CAS No. 92045-42-6), if they contain > 3 percent w/w DMSO extract
822. Lubricating oils (petroleum), hydrocracked nonarom solvent-deparaffined (CAS No. 92045-43-7), if they contain > 3 percent w/w DMSO extract
823. Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed (CAS No. 92061-86-4), if they contain > 3 percent w/w DMSO extract
824. Paraffin oils (petroleum), solvent-refined dewaxed heavy (CAS No. 92129-09-4), if they contain > 3 percent w/w DMSO extract
825. Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated (CAS No. 92704-08-0), if they contain > 3 percent w/w DMSO extract
826. Lubricating oils (petroleum), base oils, paraffinic (CAS No. 93572-43-1), if they contain > 3 percent w/w DMSO extract
827. Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurised (CAS No. 93763-10-1), if they contain > 3 percent w/w DMSO extract
828. Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulfurised (CAS No. 93763-11-2), if they contain > 3 percent w/w DMSO extract
829. Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed (CAS No. 93763-38-3), if they contain > 3 percent w/w DMSO extract
830. Foots oil (petroleum), acid-treated (CAS No. 93924-31-3), if it contains > 3 percent w/w DMSO extract
831. Foots oil (petroleum), clay-treated (CAS No. 93924-32-4), if it contains > 3 percent w/w DMSO extract
832. Hydrocarbons, C₂₀₋₅₀, residual oil hydrogenation vacuum distillate (CAS No. 93924-61-9), if they contain > 3 percent w/w DMSO extract
833. Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated (CAS No. 94733-08-1), if they contain > 3 percent w/w DMSO extract
834. Distillates (petroleum), solvent-refined hydrocracked light (CAS No. 94733-09-2), if they contain > 3 percent w/w DMSO extract
835. Lubricating oils (petroleum), C₁₈₋₄₀, solvent-dewaxed hydrocracked distillate-based (CAS No. 94733-15-0), if they contain > 3 percent w/w DMSO extract

836. Lubricating oils (petroleum), C₁₈₋₄₀, solvent-dewaxed hydrogenated raffinate-based (CAS No. 94733-16-1), if they contain > 3 percent w/w DMSO extract
837. Hydrocarbons, C₁₃₋₃₀, arom.-rich, solvent-extd. naphthenic distillate (CAS No. 95371-04-3), if they contain > 3 percent w/w DMSO extract
838. Hydrocarbons, C₁₆₋₃₂, arom. rich, solvent-extd. naphthenic distillate (CAS No. 95371-05-4), if they contain > 3 percent w/w DMSO extract
839. Hydrocarbons, C₃₇₋₆₈, dewaxed deasphalted hydrotreated vacuum distn. Residues (CAS No. 95371-07-6), if they contain > 3 percent w/w DMSO extract
840. Hydrocarbons, C₃₇₋₆₅, hydrotreated deasphalted vacuum distn. Residues (CAS No. 95371-08-7), if they contain > 3 percent w/w DMSO extract
841. Distillates (petroleum), hydrocracked solvent-refined light (CAS No. 97488-73-8), if they contain > 3 percent w/w DMSO extract
842. Distillates (petroleum), solvent-refined hydrogenated heavy (CAS No. 97488-74-9), if they contain > 3 percent w/w DMSO extract
843. Lubricating oils (petroleum), C₁₈₋₂₇, hydrocracked solvent-dewaxed (CAS No. 97488-95-4), if they contain > 3 percent w/w DMSO extract
844. Hydrocarbons, C₁₇₋₃₀, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights (CAS No. 97675-87-1), if they contain > 3 percent w/w DMSO extract
845. Hydrocarbons, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights (CAS No. 97722-06-0), if they contain > 3 percent w/w DMSO extract
846. Hydrocarbons, C₁₃₋₂₇, solvent-extd. light naphthenic (CAS No. 97722-09-3), if they contain > 3 percent w/w DMSO extract
847. Hydrocarbons, C₁₄₋₂₉, solvent-extd. light naphthenic (CAS No. 97722-10-6), if they contain > 3 percent w/w DMSO extract
848. Foots oil (petroleum), carbon-treated (CAS No. 97862-76-5), if it contains > 3 percent w/w DMSO extract
849. Foots oil (petroleum), silicic acid-treated (CAS No. 97862-77-6), if it contains > 3 percent w/w DMSO extract
850. Hydrocarbons, C₂₇₋₄₂, dearomatised (CAS No. 97862-81-2), if they contain > 3 percent w/w DMSO extract
851. Hydrocarbons, C₁₇₋₃₀, hydrotreated distillates, distn. Lights (CAS No. 97862-82-3), if they contain > 3 percent w/w DMSO extract
852. Hydrocarbons, C₂₇₋₄₅, naphthenic vacuum distn. (CAS No. 97862-83-4), if they contain > 3 percent w/w DMSO extract
853. Hydrocarbons, C₂₇₋₄₅, dearomatised (CAS No. 97926-68-6), if they contain > 3 percent w/w DMSO extract
854. Hydrocarbons, C₂₀₋₅₈, hydrotreated (CAS No. 97926-70-0), if they contain > 3 percent w/w DMSO extract
855. Hydrocarbons, C₂₇₋₄₂, naphthenic (CAS No. 97926-71-1), if they contain > 3 percent w/w DMSO extract
856. Extracts (petroleum), light paraffinic distillate solvent, carbon-treated (CAS No. 100684-02-4), if they contain > 3 percent w/w DMSO extract
857. Extracts (petroleum), light paraffinic distillate solvent, clay-treated (CAS No. 100684-03-5), if they contain > 3 percent w/w DMSO extract
858. Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated (CAS No. 100684-04-6), if they contain > 3 percent w/w DMSO extract
859. Extracts (petroleum), light vacuum gas oil solvent, clay-treated (CAS No. 100684-05-7), if they contain > 3 percent w/w DMSO extract
860. Residual oils (petroleum), carbon-treated solvent-dewaxed (CAS No. 100684-37-5), if they contain > 3 percent w/w DMSO extract
861. Residual oils (petroleum), clay-treated solvent-dewaxed (CAS No. 100684-38-6), if they contain > 3 percent w/w DMSO extract

862. Lubricating oils (petroleum), $C_{>25}$, solvent-extd., deasphalted, dewaxed, hydrogenated (CAS No. 101316-69-2), if they contain > 3 percent w/w DMSO extract
863. Lubricating oils (petroleum), C_{17-32} , solvent-extd., dewaxed, hydrogenated (CAS No. 101316-70-5), if they contain > 3 percent w/w DMSO extract
864. Lubricating oils (petroleum), C_{20-35} , solvent-extd., dewaxed, hydrogenated (CAS No. 101316-71-6), if they contain > 3 percent w/w DMSO extract
865. Lubricating oils (petroleum), C_{24-50} , solvent-extd., dewaxed, hydrogenated (CAS No. 101316-72-7), if they contain > 3 percent 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
879. Distillates (petroleum), catalytic reformer fractionator residue, inter-mediate-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_{12-26} -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, C₁₆₋₂₀, 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, C₁₂₋₂₀, 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, C₁₁₋₁₇, 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
 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)
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-sulphur (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)
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_{26-55} , 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-hydroxy-naphthalene-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)
991. Disodium[5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo] phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate(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-tetra-fluoroethylether (CAS No. 112281-77-3)
1002. 4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthra-quinone (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)
1029. UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C₁₆₋₁₈ 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-sulphonato-benzyl) 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-dimethylformamidine 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. Trifluoroiodomethane (CAS No. 2314-97-8)
1047. Thiophanate-methyl (CAS No. 23564-05-8)
1048. Dodecachloropentacyclo[5.2.1.0^{2,6}.0^{3,9}.0^{5,8}]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*)- α -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-hydroxymethyltera- hydrofuran (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)
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. Fluazifop-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. C.I Solvent yellow 14 (CAS No. 842-07-9)
1108. Chlozolate (CAS No. 84332-86-5)
1109. Alkanes, C₁₀₋₁₃, chloro (CAS No. 85535-84-8)
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. 83671-89-0)
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*-Tolylidene 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 percent w/w benzo[*a*]pyrene
1124. 2-Butanone oxime (CAS No. 96-29-7)
1125. Hydrocarbons, C₁₆₋₂₀, solvent-dewaxed hydrocracked paraffinic distn. Residue (CAS No. 97675-88-2)
1126. α , α -Dichlorotoluene (CAS No. 98-87-3)
1127. Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate)fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O + K₂O + CaO + MgO + BaO) content greater than 18 percent by weight]
1128. 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. Trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulfo-nato-1-naphtholato)chromate(1-) (EC No. 400-810-8)
1132. A mixture of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)-phenoxy)2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxy-propyl)-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)
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. Peru balsam (INCI name: Myroxylon pereirae; CAS No. 8007-00-9), when used as a fragrance ingredient
1137. isobutyl nitrite (CAS No.542-56-3)
1138. isoprene (stabilized) (2-methyl-1,3-butadiene) (CAS No. 78-79-5)
1139. 1-bromopropane *n*-propyl bromide (CAS No. 106-94-5)
1140. chloroprene (stabilized) (2-chlorobuta-1,3-diene) (CAS No. 126-99-8)
1141. 1,2,3-trichloropropane (CAS No. 96-18-4)
1142. ethylene glycol dimethyl ether (EGDME) (CAS No. 110-71-4)
1143. dinocap (ISO) (CAS No. 39300-45-3)
1144. diaminotoluene, technical product -mixture of [4-methyl-*m*-phenylene diamine] (1) and [2-methyl-*m*-phenylene diamine] (2) methyl-phenylenediamine (CAS No. 25376-45-8)
1145. *p*-chlorobenzotrithloride (CAS No. 5216-25-1)
1146. diphenylether; octabromo derivate (CAS No. 32536-52-0)
1147. 1,2-bis(2-methoxyethoxy)ethane triethylene glycol dimethyl ether (TEGDME) (CAS No. 112-49-2)
1148. tetrahydrothiopyran-3-carboxaldehyde (CAS No. 61571-06-0)
1149. 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) (CAS No. 90-94-8)
1150. oxiranemethanol, 4-methylbenzene-sulfonate, (S)- (CAS No. 70987-78-9)
1151. 1,2-benzenedicarboxylic acid, dipentylester, branched and linear [1] *n*-pentyl-isopentylphthalate [2] di-*n*-pentyl phthalate [3] diisopentylphthalate [4] (CAS No. 84777-06-0 [1] -[2] 131-18-0 [3] 605-50-5 [4])
1152. benzyl butyl phthalate (BBP) (CAS No. 85-68-7)
1153. 1,2-benzenedicarboxylic acid di-C 7-11, branched and linear alkylesters (CAS No. 68515-42-4)
1154. a mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxy-carbonyl-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 (CAS No./ 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-diy)))-1,1'-dipyridinium dichloride dihydrochloride (CAS No./ 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-methyl-phenyl)-carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)-carbamoyl-1-naphthylazo]fluoren-9-one (CAS No. EC No. 420-580-2)
1157. azafenidin (CAS No. 68049-83-2)
1158. 2,4,5-trimethylaniline [1] 2,4,5-trimethylaniline hydrochloride [2] (CAS No. 137-17-7 [1] 21436-97-5 [2])
1159. 4,4'-thiodianiline and its salts (CAS No. 139-65-1)
1160. 4,4'-oxydianiline (*p*-aminophenyl ether) and its salts (CAS No. 101-80-4)

1161. N,N,N',N'-tetramethyl-4,4'-methyldianiline (CAS No. 101-61-1)
1162. 6-methoxy-*m*-toluidine (*p*-cresidine) (CAS No. 120-71-8)
1163. 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (CAS No. 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-amino-methylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione (CAS No./EC No. 421-550-1)
1165. 2-nitrotoluene (CAS No. 88-72-2)
1166. tributyl phosphate (CAS No. 126-73-8)
1167. naphthalene (CAS No. 91-20-3)
1168. nonylphenol [1] 4-nonylphenol, branched [2] (CAS No. 25154-52-3 [1] 84852-15-3 [2])
1169. 1,1,2-trichloroethane (CAS No. 79-00-5)
1170. pentachloroethane (CAS No. 76-01-7)
1171. vinylidene chloride (1,1-dichloroethylene) (CAS No. 75-35-4)
1172. allyl chloride (3-chloropropene) (CAS No. 107-05-1)
1173. 1, 4-dichlorobenzene (*p*-dichlorobenzene) (CAS No. 106-46-7)
1174. bis(2-chloroethyl) ether (CAS No. 111-44-4)
1175. phenol (CAS No. 108-95-2)
1176. bisphenol A (4,4'-isopropylidenediphenol) (CAS No. 80-05-7)
1177. trioxymethylene (1,3,5-trioxan) (CAS No. 110-88-3)
1178. propargite (ISO) (CAS No. 2312-35-8)
1179. 1-chloro-4-nitrobenzene (CAS No. 100-00-5)
1180. molinate (ISO) (CAS No. 2212-67-1)
1181. fenpropimorph (CAS No. 67564-91-4)
1182. epoxiconazole (CAS No. 133855-98-8)
1183. methyl isocyanate (CAS No. 624-83-9)
1184. N, N-dimethylanilinium tetrakis(pentafluorophenyl)borate (CAS No. 118612-00-3)
1185. O,O'-(ethenylmethylsilylene) di[(4-methylpentan-2-one) oxime] (CAS No./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-sulfo-nate) (CAS No. 140698-96-0)
1187. a mixture of: reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalenesulfonate (1:2) and reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-sulfonate (1:3) (CAS No./EC No. 417-980-4)
1188. malachite green hydrochloride [1] malachite green oxalate [2] (CAS No. 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 (CAS No. 107534-96-3)
1190. 5-(3-butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino) propyl]-3-hydroxycyclohex-2-en-1-one (CAS No. 138164-12-2)
1191. trans-4-phenyl-L-proline (CAS No. 96314-26-0)
1192. bromoxynil heptanoate (ISO) (CAS No. 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-phosphono-phenyl) azo]benzoic acid (CAS No. 163879-69-4)
1194. 2-[4-(2-ammoniopropylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenylazo)-2-sulfonatophth-7-ylamino]-1,3,5-triazin-2-ylamino]-2-aminopropyl formate (CAS No./EC No. 424-260-3)
1195. 5-nitro-*o*-toluidine [1] 5-nitro-*o*-toluidine hydrochloride [2] (CAS No 99-55-8 [1] 51085-52-0 [2])
1196. 1-(1-naphthylmethyl)quinolinium (CAS No. 65322-65-8)

IS 4707 (Part 2) : 2009

- 1197. (R)-5-bromo-3-(1-methyl-2-pyrrolidinyl methyl)-1H-indole (CAS No. 143322-57-0)
- 1198. pymetrozine (ISO) (CAS No. 123312-89-0)
- 1199. oxadiargyl (ISO) (CAS No. 39807-15-3)
- 1200. chlorotoluron (3-(3-chloro-*p*-tolyl)-1,1-dimethylurea) (CAS No. 15545-48-9)
- 1201. N-[2-(3-acetyl-5-nitrothiophen-2-ylazo)-5-diethylamino-phenyl] acetamide (CAS No./ EC No. 416-860-9)
- 1202. 1,3-bis(vinylsulfonylacetamido)-propane (CAS No. 93629-90-4)
- 1203. *p*-phenetidine (4-ethoxyaniline) (CAS No. 156-43-4)
- 1204. *m*-phenylenediamine and its salts (CAS No. 108-45-2)
- 1205. residues (coal tar), creosote oil distn., if it contains > 0.005 percent w/w benzo[a]pyrene (CAS No. 92061-93-3)
- 1206. creosote oil, acenaphthene fraction, wash oil, if it contains > 0,005 percent w/w benzo[a]pyrene (CAS No. 90640-84-9)
- 1207. creosote oil, if it contains > 0,005 percent w/w benzo[a]pyrene (CAS No. 61789-28-4)
- 1208. creosote, if it contains > 0.005 percent w/w benzo[a]pyrene (CAS No. 8001-58-9)
- 1209. creosote oil, high-boiling distillate, wash oil, if it contains > 0.005 percent w/w benzo[a]pyrene (CAS No. 70321-79-8)
- 1210. extract residues (coal), creosote oil acid, wash oil extract residue, if it contains > 0.005 percent w/w benzo[a]pyrene (CAS No. 122384-77-4)
- 1211. creosote oil, low-boiling distillate, wash oil, if it contains > 0.005 percent w/w benzo[a]pyrene (CAS No. 70321-80-1)
- 1212. 6-Methoxy-2,3-Pyridinediamine and its HCl salt, when used as a substance in hair dye products (CAS No. 94166-62-8)
- 1213. 2,3-Naphthalenediol, when used as a substance in hair dye products (CAS No. 92-44-4)
- 1214. 2,4-Diaminodiphenylamine, when used as a substance in hair dye products (CAS No. 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 (CAS No. 117907-42-3)
- 1216. 2-Methoxymethyl-*p*-Aminophenol and its HCl salt, when used as a substance in hair dye products (CAS No. 29785-47-5)
- 1217. 4,5-Diamino-1-Methylpyrazole and its HCl salt, when used as a substance in hair dye products (CAS No. (CAS No. 20055-01-0)
- 1218. 4,5-Diamino-1-((4-Chlorophenyl)Methyl)-1H-Pyrazole Sulfate, when used as a substance in hair dye products (CAS No. 163183-00-4)
- 1219. 4-Chloro-2-Aminophenol, when used as a substance in hair dye products (CAS No. 95-85-2)
- 1220. 4-Hydroxyindole, when used as a substance in hair dye products (CAS No. 2380-94-1)
- 1221. 4-Methoxytoluene-2,5-Diamine and its HCl salt, when used as a substance in hair dye products (CAS No. 56496-88-9)
- 1222. 5-Amino-4-Fluoro-2-Methylphenol Sulfate, when used as a substance in hair dye products (CAS No. 163183-00-4)
- 1223. N,N-Diethyl-*m*-Aminophenol, when used as a substance in hair dye products (CAS No. 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-*m*-Aminophenol, when used as a substance in hair dye products (CAS No. 163183-01-5 104903-49-3)
- 1226. N-(2-Methoxyethyl)-*p*-phenylenediamine and its HCl salt, when used as a substance in hair dye products (CAS No. 72584-59-9)
- 1227. 2,4-Diamino-5-methylphenetol and its HCl salt, when used as a substance in hair dye products (CAS No. 113715-25-6)
- 1228. 1,7-Naphthalenediol, when used as a substance in hair dye products (CAS No. 575-38-2)
- 1229. 3,4-Diaminobenzoic acid, when used as a substance in hair dye products (CAS No. 619-05-6)

1230. 2-Aminomethyl-*p*-aminophenol and its HCl salt, when used as a substance in hair dye products (CAS No. 79352-72-0)
1231. Solvent Red 1 (C.I. 12150), when used as a substance in hair dye products (CAS No. 1229-55-6)
1232. Acid Orange 24 (C.I. 20170), when used as a substance in hair dye products (CAS No. 1320-07-6)
1233. Acid Red 73 (C.I. 27290), when used as a substance in hair dye products (CAS No. 5413-75-2)
1234. PEG-3,2',2'-di-*p*-Phenylenediamine (CAS No. 144644-13-3)
1235. 6-Nitro-*o*-Toluidine (CAS No. 570-24-1)
1236. HC Yellow No. 11 (CAS No. 73388-54-2)
1237. HC Orange No. 3 (CAS No. 81612-54-6)
1238. HC Green No. 1 (CAS No. 52136-25-1)
1239. HC Red No. 8 and its salts (CAS No. 97404-14-3,13556-29-1)
1240. Tetrahydro-6-nitroquinoxaline and its salts (CAS No. 158006-54-3,41959-35-7)
1241. Disperse Red 15, except as impurity in Disperse Violet 1 (CAS No. 116-85-8)
1242. 4-amino-3-fluorophenol (CAS No. 399-95-1)
1243. *N,N'*-dihexadecyl-*N,N'*-bis(2-hydroxyethyl)propanediamide Bis hydroxyethyl Bis cetyl Malonamide. (CAS No. 149591-38-8)
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. 68474-64-8) (CAS No. 158571-58-5 (HC Blue No5) 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-(or 1,4)-dimethyl-1*H*-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)bis ethanol (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-hydroxy ethyl)amino)phenyl]azo]-6-methoxy-3-methyl- and its salts when used as a substance in hair dye products
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) Solvant Black 3) and its salts when used as a substance in hair dye products
1266. 3(OR 5)-[[4-[[7-amino-1-hydroxy-3-sulphonato-2-naphthalenyl]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-sulfophenyl]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-methyl sulfamoyl)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-sulfophenyl]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)methylhydrazono]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
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-anthracendione (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 No5) 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 No. 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-Naphtalenedisulfonic 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-methyl-phenyl]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-naphtalenyl]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
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'-Diamino diphenylamine (CAS No.37-65-5) 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
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-nitronaphtalene-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-naphtalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts, when used as a substance in hair dye products

ANNEX B
(Clauses 1 and 3)
**LIST OF SUBSTANCES WHICH COSMETIC PRODUCTS MUST NOT CONTAIN IN EXCEPT SUBJECT TO
RESTRICTIONS AND CONDITIONS LAID DOWN**

SI No.	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	
(1)	(2)	(3)	(4)	(5)	(6)
1.	Boric acid, borates and tetraborates with the exception of substance No. 1184 in Annex A	<p>a) Talc</p> <p>b) Products for all hygiene</p> <p>c) Other products (excluding bath products and hair waving products)</p>	<p>a) 5 percent (by mass/mass as boric acid)</p> <p>b) 0.1 percent (by mass/mass as boric acid)</p> <p>c) 3 percent (by mass/mass as boric acid)</p>	<p>a) 1) Not to be used in products for children under 3 years of age.</p> <p>2) Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5 percent (by mass/mass as boric acid)</p> <p>b) Not to be used in products for children under 3 years of age.</p> <p>c) 1) Not to be used in products for children under 3 years of age.</p> <p>2) Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5 percent (by mass/mass as boric acid)</p>	<p>a) 1) Not to be used for children under 3 years of age.</p> <p>2) Not to be used on peeling or irritated skin.</p> <p>b) 1) Not to be swallowed.</p> <p>2) Not to be used for children under 3 years of age.</p> <p>c) 1) Not to be used for children under 3 years of age.</p> <p>2) Not to be used on peeling or irritated skin</p>
2.	Tetraborates	<p>a) Bath products</p> <p>b) Hair waving products</p>	<p>a) 18 percent (by mass/mass as boric acid)</p> <p>b) 8 percent (by mass/mass as boric acid)</p>	<p>a) Not to be used in products for children under 3 years of age.</p>	<p>a) Not to be used for children under 3 years of age.</p> <p>b) Rinse well.</p>

(1)	(2)	(3)	(4)	(5)	(6)
3.	Thioglycollic acid and its salts	<p>a) Hair waving or straightening products: 1) general use 2) professional use</p> <p>b) Depilatories</p> <p>c) Other hair-care products which are removed after application</p>	<p>a) 1) 8 percent ready for use, pH 7.0-9.5 2) 11 percent ready for use, pH 7.0-9.5</p> <p>b) 5 percent ready for use, pH 7.0-12.7</p> <p>c) 2 percent ready for use, pH 7.0 to 9.5</p> <p>The above mentioned percentages are calculated as thioglycollic acid</p>	<p>a), b), c): The direction for use drawn up in the national or official language(s) must obligatorily incorporate the following sentences: 1) Avoid contact with eyes</p> <p>2) In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>3) Wear suitable gloves [for a) and c) only]</p>	<p>a) 1) Contains thioglycolate 2) Follow the instructions 3) Keep out of reach of children 4) For professional use only</p> <p>b) and c) 1) Contains thioglycolate 2) Follow the instructions 3) Keep out of reach of children</p>
4.	Thioglycollic acid esters	<p>Hair waving or straightening products: a) general use b) professional use</p>	<p>a) 8 percent ready for use pH 6 to 9.5 b) 11 percent ready for use pH 6 to 9.5</p> <p>The above mentioned percentages are calculated as thioglycollic acid</p>	<p>The direction for use drawn up in the national or official language(s) must obligatorily incorporate the following sentences: a) May cause sensitization in the event of skin contact b) Avoid contact with eyes c) In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice d) Wear suitable gloves</p>	<p>a) Contains thioglycolate b) Follow the instructions c) Keep out of reach of children d) For professional use only</p>
5.	Oxalic acid, its esters and alkaline salts	Hair care products	5 percent		For professional use only
6.	Ammonia		6 percent calculated as NH_3		Above 2 percent: contains ammonia
7.	Tosylchloramide sodium(*)		0.2 percent		
8.	Chlorates of alkali metals	<p>a) Tooth paste b) Other uses</p>	<p>a) 5 percent b) 3 percent</p>		
9.	Dichloromethane		35 percent (When mixed with 1, 1, 1-trichloroethane, total concentration must not exceed 35 percent)	0.2 percent as maximum impurity content	

(1)	(2)	(3)	(4)	(5)	(6)
10.	<i>p</i> -Phenylenediamine, its <i>N</i> -substituted derivatives and its salts; <i>N</i> -substituted derivatives of <i>o</i> -Phenylenediamine(*), with exception of those derivatives listed elsewhere in this Annex	Oxidizing colouring agents for hair dyeing a) general use b) professional use	6 percent calculated a free base		a) Can cause an allergic reaction. Contains phenylenediamines. Do not use to dye eyelashes or eyebrows. b) For professional use only. Contains phenylenediamines. Can cause an allergic reaction. Do not use to dye eyelashes or eyebrows. Wear suitable gloves.
11.	Methylphenylene diamines, their <i>N</i> -substituted derivatives and their salts(*) with the exception of substance No. 364 in Annex A	Oxidizing colouring agents for hair dyeing a) general use b) professional use	10 percent calculated as free base		a) Can cause an allergic reaction. Contains phenylenediamines. Do not use to dye eyelashes or eyebrows. b) For professional use only. Contains phenylenediamines. Can cause an allergic reaction. Do not use to dye eyelashes or eyebrows. Wear suitable gloves.
12.	Diaminophenols (*)	Oxidizing colouring agents for hair dyeing a) general use b) professional use	10 percent calculated as free base		a) Can cause an allergic reaction. Contains phenylenediamines. Do not use to dye eyelashes or eyebrows. b) For professional use only. Contains phenylenediamines. Can cause an allergic reaction. Do not use to dye eyelashes or eyebrows. Wear suitable gloves.
13.	Dichlorophen (*)	Hair care products	0.5 percent		Contains dichlorophen
14.	Hydrogen peroxide, and other compounds or mixtures that release hydrogen peroxide, including carbamide peroxide and zinc peroxide	a) Hair care preparations b) Skin care preparations c) Nail hardening preparations d) Oral hygiene products	a) 12 percent of H ₂ O ₂ (40 Volumes) present or released b) 4 percent of H ₂ O ₂ present or released c) 2 percent of H ₂ O ₂ present or released d) 0.1 percent of H ₂ O ₂ present or released		a) Wear suitable gloves a),b),c): 1) Contain hydrogen peroxide 2) Avoid contact with eyes 3) Rinse eyes immediately if product comes into contact with them

(1)	(2)	(3)	(4)	(5)	(6)
15.	Formaldehyde	Nail hardeners	5 percent calculated as formaldehyde		Protect cuticles with grease or oil. Contains formaldehyde (*)
16.	Hydroquinone (*)	<p>a) Oxidizing colouring agents for hair dyeing:</p> <p>1) General use</p> <p>2) Professional use</p> <p>b) Artificial nail system</p>	<p>a) 0.3 percent</p> <p>b) 0.02 percent (after mixing for use)</p>	Professional use only	<p>a) 1)</p> <p>i) Do not use to dye eyelashes or eyebrows</p> <p>ii) Rinse the eyes immediately if the product</p> <p>iii) Comes into contact with them</p> <p>iv) Contains hydroquinone</p> <p>a) 2)</p> <p>i) For professional use only</p> <p>ii) Rinse the eyes immediately if the product</p> <p>iii) Comes into contact with them</p> <p>iv) Contains hydroquinone</p> <p>b)</p> <p>1) For professional use only</p> <p>2) Avoid skin contact</p> <p>3) Read directions for use carefully</p>
17.	Potassium or sodium hydroxide	<p>a) Nail cuticle solvent</p> <p>b) Hair straightener</p> <p>1) General use</p> <p>2) Professional use</p> <p>c) pH adjuster for depilatories</p> <p>d) Other uses as pH adjuster</p>	<p>a) 5 percent by weight²⁾</p> <p>b)</p> <p>1) 2 percent by weight (*)</p> <p>2) 4.5 percent by weight</p> <p>c) Up to pH 12.7</p> <p>d) Up to pH 11</p>		<p>a) 1) Contains alkali.</p> <p>2) Avoid contact with eyes.</p> <p>3) Can cause blindness.</p> <p>4) Keep out of reach of children.</p> <p>b)</p> <p>1) Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children.</p> <p>2) For professional use only. Avoid contact with eyes. Can cause blindness</p> <p>c) Keep out of reach of children</p>

(1)	(2)	(3)	(4)	(5)	(6)
18.	Lithium hydroxide	<p>a) Hair straightener</p> <p>1) General use</p> <p>2) Professional use</p> <p>b) pH adjuster for depilatories</p> <p>c) Other uses as pH adjuster</p>	<p>a)</p> <p>1) 2 percentⁿ by weight</p> <p>2) 4.5 percentⁿ by weight</p>	<p>b) pH value not to exceed pH 12.7</p> <p>c) pH value not to exceed pH 11</p>	<p>a)</p> <p>1) Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children</p> <p>2) For professional use only. Avoid contact with eyes. Can cause blindness</p> <p>b) Contains alkali. Keep out of reach of children. Avoid contact with eyes</p>
19.	Calcium hydroxide	<p>a) Hair straighteners containing two components: Calcium hydroxide and a guanidine salt</p> <p>b) pH adjuster - for depilatories</p> <p>c) Other uses (for example pH adjuster, processing aid)</p>	<p>a) 7 percent by weight of calcium hydroxide</p>	<p>b) pH value not to exceed pH 12.7</p> <p>c) pH value not to exceed pH 11</p>	<p>a) Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children</p> <p>b) Contains alkali. Avoid contact with eyes. Can cause blindness</p>
20.	1-Naphthol (CAS No. 90-15-3) and its salts	Oxidising colouring agents for hair dyeing	2 percent	In combination with hydrogen peroxide the maximum use concentration upon application is 1.0 percent	Can cause allergic reaction
21.	Sodium nitrite	Rust inhibitor	0.2 percent	Do not use with secondary and/or tertiary amines or other substances forming nitrosoamines	
22.	Nitromethane	Rust inhibitor	0.3 percent		
23.	Quinine and its salts	<p>a) Shampoos</p> <p>b) Hair lotions</p>	<p>a) 0.5 percent calculated as quinine base</p> <p>b) 0.2 percent calculated as quinine base</p>		
24.	Resorcinol ¹⁾	<p>a) Oxidizing colouring agents for hair dyeing:</p> <p>1) General use</p> <p>2) Professional use</p> <p>b) Hair lotions and shampoos</p>	<p>a) 5 percent</p> <p>b) 0.5 percent</p>		<p>a)</p> <p>1) Contains resorcinol. Rinse. Rinse hair well after application. Do not use to dye eyelashes or eyebrows. Rinse eyes immediately if product comes into contact with them.</p> <p>2) For professional use only. Rinse eyes immediately if product comes into contact with them.</p> <p>b) Contains resorcinol</p>

(1)	(2)	(3)	(4)	(5)	(6)
25.	Alkali sulphides Alkaline earth sulphides	a) Depilatories b) Depilatories	a) 2 percent calculated as sulphur pH up to 12.7 b) 6 percent calculated as sulphur pH up to 12.7		a) Keep out of reach of children. Avoid contact with eyes. b) Keep out of reach of children. Avoid contact with eyes.
26.	Water-soluble zinc salts with the exception of zinc 4- hydroxy-benzenesulphonate and zinc pyrithione		1 percent calculated as zinc		
27.	Zinc 4-hydroxybenzene sulphonate	Deodorants, antiperspirants and astringent lotions	6 percent calculated as percent of anhydrous substance		Avoid contact with eyes
28.	Ammonium monofluorophosphate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent		Contains Ammonium monofluorophosphate
29.	Sodium monofluorophosphate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent		Contains Sodium monofluorophosphate
30.	Potassium monofluorophosphate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent		Contains Potassium monofluorophosphate
31.	Calcium monofluorophosphate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Calcium monofluorophosphate
32.	Calcium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Calcium fluoride

(1)	(2)	(3)	(4)	(5)	(6)
33.	Sodium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Sodium fluoride
34.	Potassium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Potassium fluoride
35.	Ammonium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Ammonium fluoride
36.	Aluminium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Aluminium fluoride
37.	Stannous fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Stannous fluoride
38.	Hexadecyl ammonium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Hexadecyl ammonium fluoride
39.	3-(N-Hexadecyl-N-2hydroxyethylammonio)propyl bis(2-hydroxyethyl) ammonium difluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains 3-(N-Hexadecyl-n-2hydroxyethyl ammonio)propylbis(2-hydroxyethyl) ammonium difluoride

(1)	(2)	(3)	(4)	(5)	(6)
40.	NN'N'-Tris(polyoxyethylene)-N-Hexadecylpropylenediamine dihydrofluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains NN'N'-Tris(polyoxyethylene)-N-Hexadecylpropylenediamine dihydrofluoride
41.	Octadecenyl-ammonium fluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Octadecenyl-ammonium fluoride
42.	Sodium fluorosilicate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Sodium fluorosilicate
43.	Potassium fluorosilicate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Potassium fluorosilicate
44.	Ammonium fluorosilicate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Ammonium fluorosilicate
45.	Magnesium fluorosilicate	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Magnesium fluorosilicate
46.	1,3-Bis(hydroxymethyl)imidazolidine -2thione	a) Hair care preparations b) Nail care preparations	a) Up to 2 percent b) Up to 2 percent	a) Prohibited in aerosol dispensers (sprays) b) pH of the product as applied must be less than 4.	Contains 1,3-bis(hydroxymethyl)imidazolidine -2thione
47.	Benzyl alcohol	Solvents, perfumes and flavourings			
48.	6-methylcoumarin	Oral hygiene products	0.003 percent		

(1)	(2)	(3)	(4)	(5)	(6)
49.	Nicomethanol hydrofluoride	Oral hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.10 percent.		Contains Nicomethanol hydrofluoride
50.	Silver nitrate	Solely for products intended for colouring eyelashes and eyebrows	4 percent		a) Contains silver nitrate b) Rinse the eyes immediately if product comes into contact with them
51.	Selenium disulphide	Antidandruff shampoos	1 percent		a) Contains Selenium disulphide b) Avoid contact with eyes or damaged skin
52.	Aluminium zirconium chloride hydroxide complexes. Al ₂ Zr(OH) ₂ Cl ₂ and the aluminium zirconium chloride hydroxide glycine complexes	Antiperspirants	20 percent as anhydrous aluminium zirconium chloride hydroxide 5.4 percent as zirconium.	a) The ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10. b) The ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1 c) Prohibited in aerosol dispensers (sprays)	Do not apply to irritated or damaged skin
53.	Quinolin-8-ol and bis(8-hydroxy-quinolinium)sulphate	a) Stabilizer for hydrogen peroxide in rinse-off hair care preparations b) Stabilizer for hydrogen peroxide in non-rinse off hair care preparations	a) 0.3 percent calculated as base b) 0.03 percent calculated as base		
54.	Methanol	Denaturant for ethanol and isopropyl alcohol	5 percent calculated as percent ethanol and isopropyl alcohol		
55.	Etidronic acid and its salts (1-hydroxy ethylidene-di-phosphonic acid and its salts)	a) Hair care b) Soap	a) 1.5 percent expressed as etidronic acid b) 0.2 percent expressed as etidronic acid		
56.	1-Phenoxy-propan-2-ol	a) Rinse off products only b) Prohibited in oral hygiene products	2 percent	As a preservative, see Annex C, SI No. 42	

(1)	(2)	(3)	(4)	(5)	(6)
57.	Magnesium fluoride	Dental hygiene products	0.10 percent calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0.15 percent.		Contains magnesium fluoride
58.	Strontium chloride hexahydrate	a) Toothpaste b) Shampoo and face care products	a) 3.5 percent calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 3.5 percent b) 2.1 percent calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 2.1 percent		Contains strontium chloride. Frequent use by children is not advisable
59.	Strontium acetate hemihydrate	Tooth paste	3.5 percent calculated as strontium. When mixed with other permitted strontium products the total strontium content must not exceed 3.5 percent		Contains Strontium acetate. Frequent use by children is not advisable
60.	Talc: Hydrated magnesium silicate	a) Powdery products intended to be used for children under three years of age b) Other products			a) Keep powder away from children's nose and mouth
61.	Fatty acid dialkylamides and dialkanolamides		Maximum secondary amine content 0.5 percent	a) Do not use with nitrosating systems b) Maximum secondary amine content: 5 percent (applies to raw materials) c) Maximum Nitrosamine content: 50 µg/kg d) Keep in nitrite-free containers	

(1)	(2)	(3)	(4)	(5)	(6)
62.	Monoalkylamines, monoalkanolamines and their salts		Maximum secondary amine content 0.5 percent	a) Do not use with nitrosating systems b) Minimum purity: 99 percent c) Maximum secondary amine content: 0.5 percent (applies to raw materials) d) Maximum Nitrosamine content: 50 µg/kg e) Keep in nitrite-free containers	
63.	Trialkylamines, trialkanolamines and their salts	a) Non-rinse off products b) Other products	a) 2.5 percent	a), b) 1) Do not use with nitrosating systems 2) Minimum purity: 99 percent 3) Maximum secondary amine content: 0.5 percent (applies to raw materials) 4) Maximum Nitrosamine content: 50 µg/kg 5) Keep in nitrite-free containers	
64.	Strontium hydroxide	pH regulator in depilatory products	3.5 percent calculated as strontium. Maximum pH of 12.7		a) Keep out of reach of children b) Avoid contact with the eyes
65.	Strontium peroxide	Rinse off hair care preparations Professional use	4.5 percent calculated as strontium in the ready for use preparation.	All products must meet the hydrogen peroxide release requirements	a) Avoid contact with eyes b) Rinse eyes immediately if product comes into contact with them. c) For professional use only d) Wear suitable gloves
66.	Benzalkonium chloride, bromide and saccharinate	a) Rinse off hair (head) care products b) Other products	a) 3 percent (as benzalkonium chloride) b) 0.1 percent (as benzalkonium chloride)	a) In the final products the concentrations of benzalkonium chloride, bromide and saccharinate with an alkyl chain of C ₁₄ or less must not exceed 0.1 percent (as benzalkonium chloride)	a) Avoid contact with the eyes b) Avoid contact with the eyes
67.	Polyacrylamides	a) Body care leave on products b) Other cosmetic products		a) Maximum residual acrylamide content 0.1 mg/kg b) Maximum residual acrylamide content 0.5 mg/kg	

(1)	(2)	(3)	(4)	(5)	(6)
68.	Amyl cinnamal (CAS No. 122-40-7)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
69.	Benzyl alcohol (CAS No. 100-51-6)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
70.	Cinnamyl alcohol (CAS No.104-54-1)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
71.	Citral (CAS No. 5392-40-5)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
72.	Eugenol (CAS No. 97-53-0)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
73.	Hydroxy citronellal (CAS No. 107-75-5)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 00.001 percent in leave on products b) 0.01 percent in rinse off products	

(1)	(2)	(3)	(4)	(5)	(6)
74.	Isoeugenol (CAS No. 97-54-1)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
75.	Amylcin namyl alcohol			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
76.	Benzyl salicylate (CAS No 118-58-1)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
77.	Cinnamal (CAS No. 104-55-2)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
78.	Coumarin (CAS No. 91-64-5)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
79.	Geraniol (CAS No. 106-24-1)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	

(1)	(2)	(3)	(4)	(5)	(6)
80.	Hydroxy-methylpentylcyclohexane carboxaldehyde (CAS No. 31906-04-4)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
81.	Anisyl alcohol (CAS No. 105-13-5)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
82.	Benzyl cinnamate (CAS No 103-41-3)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
83.	Farnesol (CAS No. 4602-84-0)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
84.	2-(4-tert-Butylbenzyl) propionaldehyde (CAS No. 80-54-6)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
85.	Linalool (CAS No. 78-70-6)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	

(1)	(2)	(3)	(4)	(5)	(6)
86.	Benzyl benzoate (CAS No. 120-51-4)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
87.	Citronellol (CAS No. 106-22-9)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
88.	Hexyl cinnamaldehyde (CAS No. 101-86-0)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
89.	D Limonene (CAS No 5989-27-5)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) 0.001 percent in leave on products b) 0.01 percent in rinse off products	
90.	Methyl heptin carbonate (CAS No. 111-12-6)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
91.	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 when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	

(1)	(2)	(3)	(4)	(5)	(6)
92.	Oak moss extract (CAS No. 90028-68-4)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
93.	Citronellol (CAS No. 106-22-9)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
94.	Treemoss extract (CAS No. 90028-67-4)			The presence of the substance must be indicated in the list of ingredients when in concentration exceeds: a) percent in leave on products b) percent in rinse off products	
95.	2,4-Diamino-pyrimidine-3-oxide (CAS No. 74638-76-9)	Hair care formulations	1.5 percent		
96.	Benzoyl peroxide (CAS No. 111-12-6)	Artificial nail systems	0.7 percent (after mixing)	Professional use only	For professional use only Avoid skin contact Read directions for use carefully
97.	Hydroquinone methylether	Artificial nail systems	0.02 percent (after mixing for use)	For professional use only	For professional use only Avoid skin contact Read directions for use carefully
98.	Musk xylene (CAS No. 81-15-2)	All cosmetic products, with the exception of oral care products	a) percent in fine fragrance b) 0.4 percent in eau de toilette c) 0.03 percent in other products		
99.	Musk ketone (CAS No. 81-14-1)	All cosmetic products, with the exception of oral care products	a) 1.4 percent in fine fragrance b) 0.56 percent in eau de toilette c) 0.042 percent in other products		
100.	Salicylic acid ⁴¹ (CAS No. 69-72-7)	a) Rinse off hair products b) Other products	a) 3.0 percent b) 2.0 percent	Not to be used in preparations 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 ³¹

(1)	(2)	(3)	(4)	(5)	(6)
101.	Inorganic sulfites and bisulfites ⁴⁾	a) Oxidative hair dye products b) Hair straightening products c) Self tanning products for the face d) Other self tanning products	a) 0.67 percent expressed as free SO ₂ b) 6.7 percent expressed as free SO ₂ c) 0.45 percent expressed as free SO ₂ d) 0.40 percent expressed as free SO ₂	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product.	
102.	Triclocarban ⁷⁾ (CAS No. 101-20-2)	Rinse off products	1.5 percent	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene ≤ 1ppm 3,3',4,4'-Tetrachloroazoxybenzene ≤ 1ppm 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	
103.	Zinc pyrithione ⁸⁾ (CAS No. 13463-41-7)	Leave-on hair products	0.1 percent	For purposes other than inhibiting. 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.	
<p>¹⁾ These substances may be used singly or in combination provided that the sum of these ratios of the levels of each of them in the cosmetic product expressed with reference to the maximum level authorized for each of them doesnot exceed 2.</p> <p>²⁾ The quantity of 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 4.</p> <p>³⁾ 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 4.</p> <p>⁴⁾ As a preservative, <i>see</i> Annex C, SI No. 3.</p> <p>⁵⁾ Solely for products which might be used for children under three years of age and which remain in prolonged contact with the skin.</p> <p>⁶⁾ As a preservative, <i>see</i> Annex C, SI No. 8.</p> <p>⁷⁾ As a preservative, <i>see</i> Annex C, SI No. 22.</p> <p>⁸⁾ As a preservative, <i>see</i> Annex C, SI No. 7.</p>					

55

ANNEX C
(Clauses 1 and 3)

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, for example, 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:
 - a) 'Salts' is taken to mean: salts of the cations sodium, potassium, calcium, magnesium, ammonium and ethanolamines; salts of the anions chloride, bromide, sulphate, acetate.
 - b) '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 percent.

Sl No.	Substance	Maximum Authorized Concentration	Limitations and Requirements	Conditions of Use and Warnings which must be Printed on the Label
(1)	(2)	(3)	(4)	(5)
1.	Benzoic acid (CAS No. 65-85-0) and its sodium salts (CAS No. 532-32-1)	Rinse off products except oral care products: 2.5 (acid) Oral care products: 1.7 percent (acid) Leave-on products: 0.5 percent (acid)		
1a.	Salts of benzoic acid other than listed under reference No.1 and esters of benzoic acid	0.5 percent (acid)		
2.	Propionic acid, its salts and esters (*)	2 percent (acid)		
3.	Salicylic acid, its salts and esters (*)	0.5 percent (acid)	Not to be used in preparations 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 (*)	0.6 percent (acid)		
5.	Formaldehyde and paraformaldehyde	0.2 percent (except for products for oral hygiene) 0.1 percent (products for oral hygiene) expressed as free formaldehyde	Prohibited in aerosol dispensers (sprays)	

(1)	(2)	(3)	(4)	(5)
6.	Biphenyl-2-ol(o-phenylphenol) and its salts (*)	0.2 percent expressed as the phenol		
7.	Zinc pyrithione (INN) (CAS No. 13463-41-7)	Hair products: 1.0 percent Other products: 0.5 percent	Rinse off products only No use in products for oral hygiene	
8.	Inorganic sulphites and hydrogen sulphites (*)	0.2 percent expressed as free SO ₂		
9.	Sodium iodate	0.1 percent	Rinse off products only	
10.	Chlorobutanol (INN)	0.5 percent	Prohibited in aerosol dispensers (sprays)	Contain chlorobutanol
11.	4-Hydroxybenzoic acid and its salts and esters (*)	0.4 percent (acid) for 1 ester 0.8 percent (acid) for mixtures of esters		
12.	3-Acetyl-6-methylpyran-2,4(3H)-dione (Dehydracetic acid) and its salts	0.6 percent (acid)	Prohibited in aerosol dispensers (sprays)	
13.	Formic acid and its sodium salt (*)	0.5 percent (expressed as acid)		
14.	3,3'-Dibromo-4,4'-hexamethylenedioxydi- benzamidine (Dibromohexamidine) and its salts (including isethionate)	0.1 percent		
15.	Thiomersal (INN)	0.007 percent (of Hg) If mixed with other mercurial compounds authorized by this standard, the maximum concentration of Hg remains fixed at 0.007 percent	For eye make-up and eye make-up remover only	Contains thiomersal
16.	Phenylmercuric salts (including borate)	0.007 percent (of Hg) If mixed with other mercurial compounds authorized by this standard, the maximum concentration of Hg remains fixed at 0.007 percent	For eye make-up and eye make-up remover only	Contain phenylmercuric compounds
17.	Undec-10-enoic acid and salts (*)	0.2 percent (acid)		
18.	Hexetidine (INN) (*)	0.1 percent		
19.	5-Bromo-5-nitro-1,3-dioxane	0.1 percent	Rinse off products only	
20.	Bronopol (INN) (*)	0.1 percent	Avoid formation of nitrosamines	
21.	2,4-Dichlorobenzyl alcohol (*)	0.15 percent		
22.	Triclocarbon (INN) (*)	0.2 percent	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene <1 ppm 3,3',4,4'-Tetrachloroazoxybenzene <1 ppm	

(1)	(2)	(3)	(4)	(5)
23.	4-Chloro-m-cresol (*)	0.2 percent	Prohibited in products intended to come into contact with mucous membranes	
24.	Triclosan (INN) (*)	0.3 percent		
25.	4-Chloro-3,5-xyleneol (*)	0.5 percent		
26.	3,3'-Bis (1-hydroxymethyl-2,5-dioximidazolidin-4-yl)-1,1'-methylenediurea ('Imidazolidinyl urea' (*)	0.6 percent		
27.	Poly (1-hexamethylenebiguanide hydrochloride (*)	0.3 percent		
28.	2-Phenoxyethanol (*)	1.0 percent		
29.	Hexamethylenetetramine (*) (methenamine) (TNN)	0.15 percent		
30.	Methenamine 3-chloallylochloride (INNM)	0.2 percent		
31.	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one (*)	0.5 percent		
32.	1,3-Bis (hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (*)	0.6 percent		
33.	Benzyl alcohol (*)	1.0 percent		
34.	1-Hydroxy-4-methyl-6(2,4,4-trimethyl pentyl)2-pyridon and it's monoethanolamine salt (*)	a) 1.0 percent b) 0.5 percent	a) Products rinse off b) For other products	
35.	6,6-Dibromo-4,4-dichloro-2,2'-methylene-diphenol (Bromochlorophen) (*)	0.1 percent		
36.	4-Isopropyl-m-cresol	0.1 percent		
37.	Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate	0.0015 percent (of a mixture in the ratio 3:1 of 5-chloro-2-methylisothiazol 3(2H)-one and 2-methylisothiazol-3(2H)-one		
38.	2-Benzyl-4-chlorophenol (clorophene)	0.2 percent		
39.	2-Chloroacetamide	0.3 percent		Contains chloroacetamide
40.	Chlorhexidine (INN) and its digluconate, diacetate and dihydrochloride	0.3 percent expressed as chlorhexidine		
41.	1-Phenoxypropan-2-ol	1.0 percent	Only for rinse-off products	

(1)	(2)	(3)	(4)	(5)
42.	Alkyl (C ₁₂ -C ₂₂) trimethyl ammonium, bromide and chloride	0.1 percent		
43.	4,4-dimethyl-1,3-oxizalidine	0.1 percent	The pH of the finished product must not be lower than 6	
44.	N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	0.5 percent		
45.	1,6-Di (4-amidinophenoxy)- <i>n</i> -hexane (Hexamidine) and its salts (including isethionate and <i>p</i> -hydroxybenzoate) (+)	0.1 percent		
46.	Glutaraldehyde (Pentane-1,5-dial)	0.1 percent	Prohibited in aerosols (sprays)	Contains glutaraldehyde (where glutaraldehyde concentration in the finished product exceeds 0.05 percent)
47.	5-Ethyl-3,7-dioxo-1-azabicyclo [3,3,0] octane	0.3 percent	Prohibited in oral hygiene products and in products intended to come into contact with mucous membranes	
48.	3-(<i>p</i> -chlorophenoxy)-propane-1,2 diol (chlorphenesin)	0.3 percent		
49.	Sodium hydroxymethylamino acetate (Sodium Hydroxymethylglycinate)	0.5 percent		
50.	Silver chloride deposited on titanium dioxide	0.004 percent calculated as AgCl	20 percent AgCl (W/W) on TiO ₂ . 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	
51.	Benzethonium Chloride (INCI)	0.1 percent	a) Rinse-off products b) Leave-on products other than for oral care use	
52.	Belzalkonium chloride, bromide and saccharinate	0.1 percent calculated as benzalkonium chloride		Avoid contact with eyes
53.	Benzylhemiformal	0.15 percent	Only for products to be removed by rinsing	
54.	3-Iodo-2-propynylbutylcarbamate	0.05 percent	a) Not to be used for oral hygiene and lipcare products b) If the concentration in products intended to remain on the skin exceeds 0.02 percent add the phrase: Contains iodine	Contains iodine
55.	Methylisothiazolinone (INCI)	0.01 percent		

ANNEX D
(Clauses 1 and 3)

LIST OF PERMITTED UV FILTERS WHICH COSMETIC PRODUCTS MAY CONTAIN

For the purpose of this Directive, UV Filters are substances, which contained in cosmetic sunscreen 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 condition 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 the list.

Sl No.	Substance	Maximum Authorized Concentration	Other Limitations and Requirements	Conditions of Use and Warnings which must be Printed on the Label
(1)	(2)	(3)	(4)	(5)
1.	4-Aminobenzoic acid	5 percent	—	—
2.	N,N,N-Trimethyl-4-(2-oxoborn-3-ylidene-methyl) anilinium methyl sulphate	6 percent	—	—
3.	Homosalate (INN)	10 percent	—	—
4.	Oxybenzone (INN)	10 percent	—	Contains oxybenzone ¹⁾
5.	2-phenylbenzimidazole-5-sulphonic acid and its potassium, sodium and triethanolamine salts	8 percent (expressed as acid)	—	—
6.	3,3'-(1,4-Phenylenedimethylene) bis (7,7-dimethyl-2-oxobicyclo-[2,2,1]hept-1-yl-methanesulfonic acid) and its salts	10 percent (expressed as acid)	—	—
7.	1-(4- <i>tert</i> -butylphenyl)-3-(4-methoxyphenyl)propane-1,3-dione	5 percent	—	—
8.	alpha-(2-Oxoborn-3-ylidene)-4-sulphonic acid and its salts	6 percent (expressed as acid)	—	—
9.	2-cyano-3,3-diphenyl acrylic acid, 2-ethylhexyl ester (Octocrylene)	10 percent (expressed as acid)	—	—
10.	Polymer of N-((2 and 4)-[(2-oxoborn-3-ylidene)methyl]benzyl)acrylamide	6 percent	—	—
11.	Octyl methoxycinnamate	10 percent	—	—
12.	Ethoxylated Ethyl-4-Aminobenzoate (PEG-25 PABA)	10 percent	—	—

(1)	(2)	(3)	(4)	(5)
13.	Isopentyl-4-methoxycinnamate (Isoamyl <i>p</i> -Methoxycinnamate)	10 percent	—	—
14.	2,4,6-Triamino-(<i>p</i> -Carbo-2'-Ethylhexyl-1'Oxy)-1,3,5-Triazine (Octyl Triazone)	5 percent	—	—
15.	Phenol,2-(2H-Benzotriazol-2-yl)-4-Methyl-6-(2-Methyl-3-(1,3,3,3-Tetra-methyl-1-(Trimethylsilyl)Oxy)-Disilox-anyl)Propyl) (Drometrizole Trisiloxane)	15 percent	—	—
16.	Benzoic acid, 4,4-(((1,1-dimethylethylamino)carbonyl)phenylamino) 1,3,5-triazine-2,4-diyl)diimino)bis-,bis-(2-ethylhexyl)ester)	10 percent	—	—
17.	3-(4'-Methylbenzylidene)-d-1 camphor (4-Methylbenzylidene Camphor)	4 percent	—	—
18.	3-Benzylidene camphor (3-Benzylidene Camphor)	2 percent	—	—
19.	2-Ethylhexyl salicylate (Octyl-salicylate)	5 percent	—	—
20.	4-Dimethyl-amino-benzoate of ethyl-2-hexyl (octyl dimethyl PABA)	8 percent	—	—
21.	2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid (Benzophenone-5) and its sodium salt	5 percent (of acid)	—	—
22.	2,2'-Methylene-bis-6-(2H-Benzotriazol-2yl)-4-(teramethyl-butyl)-1,1,3,3-phenol	10 percent	—	—
23.	Monosodium salt of 2-2'-bis-(1,4-phenylene) 1H-benzimidazole-4,6-disulphonic acid)	10 percent (of acid)	—	—
24.	(1,3,5)-Triazine-2,4-bis((4-(2-ethyl-hexy-loxy)-2-hydroxy)-phenyl)-6-(4-methoxy-phenyl)	10 percent	—	—
25.	Dimethicodiethylbenzmalonate(CAS No. 207574-74-1)	10 percent	—	—
26.	Titanium dioxide	25 percent	—	—
27.	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl], hexylester (INCI name : Diethylamino Hydroxyben-zoyl Hexyl Benzoate, (CAS No. 302776-68-7)	10 percent in sunscreen products	—	—

¹⁾ Not required, if concentration is 0.5 percent or less and when it is used only for product protection purposes.

Bureau of Indian Standards

BIS is a statutory institution established under the *Bureau of Indian Standards Act, 1986* to promote harmonious development of the activities of standardization, marking and quality certification of goods and attending to connected matters in the country.

Copyright

BIS has the copyright of all its publications. No part of these publications may be reproduced in any form without the prior permission in writing of BIS. This does not preclude the free use, in the course of implementing the standard, of necessary details, such as symbols and sizes, type or grade designations. Enquiries relating to copyright be addressed to the Director (Publications), BIS.

Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards : Monthly Additions'.

This Indian Standard has been developed from Doc No.: PCD 19 (2374).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002

Telephones : 2323 0131, 2323 3375, 2323 9402 Website: www.bis.org.in

Regional Offices:

Telephones

Central	: Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	{ 2323 7617 2323 3841
Eastern	: 1/14 C.I.T. Scheme VII M, V. I. P. Road, Kankurgachi KOLKATA 700054	{ 2337 8499, 2337 8561 2337 8626, 2337 9120
Northern	: SCO 335-336, Sector 34-A, CHANDIGARH 160022	{ 60 3843 60 9285
Southern	: C.I.T. Campus, IV Cross Road, CHENNAI 600113	{ 2254 1216, 2254 1442 2254 2519, 2254 2315
Western	: Manakalaya, E9 MIDC, Marol, Andheri (East) MUMBAI 400093	{ 2832 9295, 2832 7858 2832 7891, 2832 7892

Branches: AHMEDABAD. BANGALORE. BHOPAL. BHUBANESHWAR. COIMBATORE. DEHRADUN. FARIDABAD. GHAZIABAD. GUWAHATI. HYDERABAD. JAIPUR. KANPUR. LUCKNOW. NAGPUR. PARWANOO. PATNA. PUNE. RAJKOT. THIRUVANANTHAPURAM. VISAKHAPATNAM.

AMENDMENT NO. 1 NOVEMBER 2010
TO
IS 4707 (PART 2) : 2009 CLASSIFICATION OF COSMETICS RAW
MATERIALS
AND ADJUNCTS

PART 2 LIST OF RAW MATERIALS GENERALLY NOT RECOGNIZED AS SAFE FOR
USE IN COSMETICS

(Third Revision)

(Page 19, Annex A) — Insert the following at the appropriate place:

‘664. Chloromethyl methyl ether (CAS No. 107-30-2)’.

(Page 31, Annex A) — Insert the following at the appropriate place:

‘1091. 1-Ethyl-1-methylpyrrolidinium bromide (CAS No. 69227-51-6)’.

(Page 34, Annex A) — Substitute the following for the existing:

‘1222. 5-Amino-4-Fluoro-2-Methylphenol Sulfate, when used as a substance in hair dye products CAS No. 163183-01-5.’

‘1225. N-Cyclopentyl-*m*-Aminophenol, when used as a substance in hair dye products CAS No. 104903-49-3.’

(Page 41, Annex B, Sl No. 10, 11 and 12, col 2) — Substitute ⁽¹⁾ for ‘(*)’.

(Page 41, Annex B, Sl No. 13, col 2) — Delete ‘(*)’.

(Page 42, Annex B, Sl No. 15, col 6) — Substitute ⁽²⁾ for ‘(*)’.

(Page 42, Annex B, Sl No. 16, col 2) — Substitute ⁽³⁾ for ‘(*)’.

[Page 42, Annex B, Sl No. 17, col 4(b)] — Substitute ⁽¹⁾ for ‘(*)’.

(Page 43, Annex B, Sl No. 24, col 2) — Substitute ⁽³⁾ for ‘(*)’.

(Page 52 to 54, Annex B, Sl Nos. 85, 86, 87, 88, 90, 91, 92, 93 and 94, col 5) — Substitute the following for the existing:

‘The presence of the substance must be indicated in the list of ingredients when the concentration exceeds:

- a) 0.001 percent in leave on products
- b) 0.01 percent in rinse off products’.

[Page 54, Sl No. 98, col 4(a)] — Substitute the following for the existing:

‘a) 1 percent in fine fragrance’