



Prohibition and declaration of substances

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1 Purpose

The purpose of this Standard is to ensure that substances and products are handled in compliance with environmental rules and industrial safety regulations, and that these principles are applied while all the intermediate and final products concerned are undergoing development, manufacture, use, recycling and disposal.

Materials needed for manufacture and processing are of such a wide variety that they must be chosen and used with due care. These factors influence the quality, safety and environmental compatibility of the products throughout their service life.

To optimize these properties and characteristics, it is essential that regular communication be maintained within the chain of exploitation, that is, from the extraction of the raw material to the manufacture, utilization and disposal of the final product.

2 Scope of application

This Standard must be applied to the design and development of products throughout all parts and worldwide divisions of KNORR-BREMSE Systems for Commercial Vehicles, BENDIX Commercial Vehicle Systems and HASSE & WREDE (KNORR-BREMSE, BCVS, H&W).

The Standard is valid for all operating supplies, for all supplied goods, parts, components, production materials, substances that are used in KNORR-BREMSE, BCVS, H&W products, processes and also for merchandise parts. The contents and validity of the list apply rigidly to all parties concerned with the process chain.

Please note that compliance with the requirements of this standard does not mean that international or national legal requirements concerning chemical substances in different countries are fulfilled. The standard adds the responsibility to fulfil current regulations and laws.

This standard should be viewed as a minimum standard. In the case where there are higher or more severe requirements prescribed by local legislation and/or as requested by the customer, then those requirements must be adhered to above and beyond this standard.

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Bearb.	MUC-R/MST3	Schulz	Responsible for the content: MUC-T/QM1.2	Normenklassifikation
Gepr.	MUC-T/QM1.2	Pförtner		

3 Prohibition and declaration of substances

The list of substances in APPENDIX C contains substances/classes of substances which may be found in KNORR-BREMSE, BCVS, H&W products and which harbor potential dangers for man and his environment in connection with their use, exploitation and disposal.

The list accounts particularly for substances known to involve special dangers, substances which are carcinogenic, harmful to reproduction, liable to change the genotype, poisonous and very poisonous, sensitizing and harmful to the environment.

The list of declarable substances (Appendix C) has been developed using the customer specifications regarding the use of substances (see references in Appendix A).

3.1 Prohibited substances

Substances identified by "P" in APPENDIX C are not allowed in goods, parts, components, production materials, substances and operating supplies or arise from its use. These substances may be present as impurities only, not as substances which are deliberately added. Impurities caused by these substances must be recorded qualitatively and risk estimates should be defined.

Substances which were not fully phased out when the list was introduced shall be regarded as exceptions and should be handled accordingly. Phase out plans, including a final date of use, are required as part of the justification for their continued usage.

Legal prohibition of the use of substances has to be fulfilled.

3.2 Declarable substances

Substances identified by "D" in APPENDIX C may not be desirable in some applications and must be declared if their amount exceeds the set limitation.

These specifications form the basis for dialogue between the supplier and the customer, in order to provide a safe and environmentally friendly operation. The declared substances should not be automatically substituted, but a joint effort should be made to carefully weigh out advantages/benefits as well as potential risks, while taking the specific use of the substance into consideration. After an assessment of technical, economical and ecological aspects a final decision concerning alternative substances can be made.

A prohibition of these substances in the future is possible.

3.3 Declaration of substances

All substances named in APPENDIX C must be indicated in the "Materials data sheet" for each good, part, component, production material, substance and operating supply item, if they are present in the item or if they run the risk of being released.

Mass limitations i.e. content limitation for individual substances have been specified (Appendix C). If the content level falls below this limitation, it does not have to be declared. These limitation are 0,1g/100g (% of weight), unless otherwise indicated.

The application of the International Material Data System (IMDS; www.mdssystem.com) can optionally be used for the declaration, on the agreement between KNORR-BREMSE, BCVS or H&W and parties involved within the supply chain.

3.4 Requirements for suppliers

Suppliers of goods, parts, components, production materials, substances and operating supplies are obliged to comply with the requirements of this standard. Any deviation from a requirement of this standard must be stated and requires the approval in writing from KNORR-BREMSE, BCVS or H&W.

The requirements of this standard apply to the condition at delivery of the goods, parts, components, production materials, substances and operating supplies. Modifications of substantial compositions have to be notified without request and require an up-dated Material data sheet.

The requirements are part of the Production Part Approval Process (PPAP) of the "Quality Management Program for Procurement" (QMPP) of KNORR-BREMSE, BCVS, H&W.

References of standards

Issuer name	Standard No.	Term of standard	Date of issue
BOSCH	N 2580-1...8	"Ausschluß von Stoffen"	10-2002
DAIMLER CHRYSLER	DBL 8585	„Liefervorschrift Stoffnegativliste für die Werkstoffauswahl“	08-1999
	DBL 6714	”Liefervorschrift Negativliste Inhaltsstoffe von Prozeßstoffen“	04-1998
	CS-9003	“”Environmental, health and occupational safety requirements for regulated substances or processes and vehicle recycling reporting requirements”	07-2002
DAF	TLV 00805-102	”Restrictions on use of substances for products”	06-2003
DANA SPICER	TD 200/1	“Black list of chemical substances which shall not be used”	03-2002
	TD 200/2	“Grey list of chemical substances with limited use”	03-2002
DELPHI	A 10949001	Prohibited and restricted substances	07-2003
DETROIT DIESEL		Adopting DAIMLER CHRYSLER List	05-2003
FORD	WSS-M99P999-A1	“Engineering Material Specification”	01-2003
FREIGHTLINER		Adopting DAIMLER CHRYSLER List	04-2003
GM	GMW3059	“Restricted and reportable substances”	08-2003
IMDS SC	IMDS STD101	IMDS International list of reportable substances (ILRS-list)	03-2004
INTERNATIONAL		Adopting FORD List	07-2002
MAN	MAN 239-1	“Freigabebedingungen und –verfahren”	06-2000
RENAULT	00 10 050	”Prohibited and restricted substances”	01-1998
	00 10 060	”Design for recyclability”	11-1994
SCANIA	STD 4158	“Chemical substances which shall not to be used – SCANIA Black list”	06-2002
	STD 4159	“Chemical substances with limited use - SCANIA Grey list”	06-2002
TATA MOTORS		“List of hazardous materials”	2003
TRW	T.S. 3-88-01	Prohibited and restricted substances	07-1995
VOLVO	STD 100-0002	“Chemical substances which must not be used within the Volvo group – VOLVO’s black list”	02-2003
	STD 100-0003	“Chemical substances whose within the Volvo group shall be limited- VOLVO’s grey list”	02-2003
VDA	(previous VDA-List 232-101)	“List of declarable material in automotive manufacturing – Substances in components and construction materials” (The list is integral to the IMDS)	2003
VOLKSWAGEN	VW 91101 -1	„Umweltnorm Fahrzeug: Stoffliste - Liste der Stoffe mit Verwendungsverbot/Deklarationsverpflichtung“	05-2001

Abbreviations used in this standard

Abbreviation	Meaning
Substance	Single chemical compounds or groups of substances
EU Index No.	European Union numbering system from Annex I of EU Directive 67/548/EWG
CAS No.	Chemical Abstract Service; numbering system for chemical substances
Source	Acts, decrees and directives are named
EU-D	European directive including alteration and amendment directives
EU-R	European regulation including amendment and adaptation regulations
EU-VO	European decree including alteration and amendment decrees
EU-D 67/548/EEC	Directive on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of preparations made from dangerous substances
EU-D 76/769/EEC	Directive on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations
EU-D 2000/53/EG	Directive on end-of life vehicles
EU-R 594/91/EEC	Council Regulation on substances that cause the depletion of the ozone layer
ChemG	Chemicals Act (in Germany)
ChemVerbotsV	Prohibited chemicals decree (in Germany)
GefStoffV	Hazardous substances decree (in Germany)
IMDS	International Material Data System (web based system: www.mdsystem.com)
IMDS SC	IMDS Steering committee
MDS	Material Data Sheet
StrlSchV	Radiation emission decree (in Germany)
C _x (x=1, 2, 3)	Carcinogenic, classification according to EU-RL67/548/EEC or TRGS 905
x=1	Proven to affect humans, effects known
x=2	Proven to affect animals, effects apply to humans as well
x=3	Supposed effects of the substances on humans
M _x (x=1, 2, 3)	Mutagenic, classification according to EU-RL67/548/EEC or TRGS 905
R _{EX} (x=1,2,3)	Embryo toxic, classification according to EU-RL67/548/EEC or TRGS 905
R _{FX} (x=1,2,3)	Affect the fertility, classification according to EU-RL67/548/EEC or TRGS 905
T	Toxic (according to ChemG and GefStoffV or EU-RL 67/548 EEC)
T+	Very toxic (according to ChemG and GefStoffV or EU-RL 67/548 EEC)
TRGS	Technical rules for hazardous substances (german regulation)
D	declarable
P	prohibited at certain applications

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
1	1,4-Dioxane		123-91-1					D
2	1-2 Dichlorethane	602-012-00-7	107-06-2		T, C ₂	Additive for fuels		D
3	1-Chloro-2,3-epoxy-propane	603-026-00-6	106-89-8	EU-D 67/548/ECC	C ₂	residual monomers in Epoxy resins		D
4	2,4,5-Trimethylaniline salts		Several					P
5	2,4,6-tri-tert-butylphenol		732-26-3	Japan (Chemical substances control law)				P
6	2,4-Diaminoanisol salts		Several					P
7	2-Acetylaminofluorene		53-96-3					D
8	2-Amino-4-nitrotoluene salts		Several					P
9	2-Butenal(Crotonaldehyd)		123-73-9	TRGS905	M ₃		1%	D
10	2-Chloroacetaldehyde		107-20-0	TRGS905; 67/548/EWG	C ₃		1%	D
11	2-Ethylhexan acid		149-57-5	67/548/EWG	R _{E3}		5%	D
12	2-Furylmetanal		98-01-1	TRGS905; 67/548/EWG	C ₃		1%	D
13	2-Methoxy-1-propanol (applies to >0.5%)		1589-47-5					D
14	2-Methoxyethanol (Ethylene glycol methyl ether)		109-86-4					P
15	2-Methoxyethanol acetate (Ethylene glycol methyl ether acetate)		110-49-6					P
16	2-Naphthylamine or it's salts	612-071-00-0	(91-59-8)	EU-D 67/548/ECC EU-D 76/769/ECC, ChemVerbotsV GefStoffV with App.IV Nr. 18	C ₁	Textile and leather dyes, antioxidants in polymers		P
17	2-Nitropropane		79-46-9					D
18	3,3-Dichlorobenzidine & cmpds.		91-94-1					D
19	3,3-Dichlorobenzidine salts		Several					P
20	3,3-Dimethoxybenzidine salts		Several					P
21	3,3-Dimethyl-4,4-diaminodiphenylmethane salts		Several					P
22	3,3-Dimethylbenzidine salts		Several					P
23	4 - Nitrobiphenyl	202-204-7	92-93-3	EU-D 67/548/ECC EU-D 76/769/ECC, ChemVerbotsV GefStoffV with App. IV Nr. 2	C ₂			P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
24	4,4-Diaminodiphenyl-methane salts		Several					P
25	4,4-Methylene (2-chloroaniline) salts		Several					P
26	4,4-Methylene bis-2-chloroaniline (MOCA)		101-14-4					D
27	4,4-Methylenedianiline (MDA)		101-77-9					P
28	4,4-Oxydianiline salts		Several					P
29	4,4-Thiodianiline salts		Several					P
30	4-Aminobiphenyl and its salts	(612-072-00-6)	(92-67-1)	EU-D 76/769/ECC EU-D 67/548/ECC, ChemVerbotsV. GefStoffV incl. App. IV No. 2	C ₁	Impurities in textile and leather paints, antioxidants in lubricants, rubber/latex, plastics		P
31	4-Chlorotoluidine salts		Several					P
32	4-Dimethylaminoazobenzene		60-11-7					D
33	4-Nitrobiphenyl salts		Several					P
34	4-Nonylphenol (NFO)		104-40-5 25154-52-3					D
35	Acetaldehyde	605-003-00-6	75-07-0	EU-D 67/548/ECC	C ₃	Emitted substances from auto components		D
36	Acetamide	616-022-00-4	60-35-5	EU-D 67/548/ECC	C ₃	Solvent additive, stabilizer for softening agents		D
37	Acetone		67-64-1					D
38	Acrylamide	616-003-00-0	79-06-1	EU-D 67/548/ECC	C ₂ , M ₂	Production of polyacrylamide (residual monomer)		D
39	Acrylic acid		79-10-7					D
40	Acrylonitrile	608-001-00-3	107-13-1	EU-D 67/548/ECC	C ₂	Production of plastics, resins and rubbers eg. ABS (residual monomer)		D
41	Actinolite		77536-66-4					D
42	Aldrin		309-00-2			Herbizid		D
43	Aliphatic chlorohydrocarbons refer to Chlorinated hydrocarbons							
44	Alkylphenol ethoxylates		9016-45-9 9002-93-2	EU-D 2003/53/EC				P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
45	Amide: 2-Chloracetamid N-Cyclohexyl-N-methoxy-2,5-dimethyl-3-furamid Daminozid N,N-Dimethylacetamid N,N-Dimethylformamid N-Methylacetamid N-Methylolchloracetamid		79-07-2 60568-05-0 1596-84-5 127-19-5 68-12-2 79-16-3 2832-19-1	67/548/EWG TRGS905	R _{F3} C ₃ M ₃	solvent	5,0% 1 % 1% 0,5% 0,5% 0,5% 1%	D
46	Amine: Amitrol (ISO) N-Methylbis(2-chlorethyl)amin		61-82-5 51-75-2	67/548/EWG TRSG905	C ₃ C ₁	Fungizid, Herbizid	1% 0,01%	D
47	Ammonia separating substances	(007-001-00-5)	(7664-41-7)			Emitted substances from auto components		D
48	Aniline and its salts	(612-008-00-7)	(62-53-3)	EU-D 67/548/ECC	C ₃	Pigments, sulfonamides, isocyanate - plastics		D
49	Antifouling dyes; refer to: Arsenic Hexachlorocyclohexane Mercury Organo-tin-compounds			GefStoffV incl. App. IV Nr. 5		Mainly used as protective coating - contained in colophony, resin esters or modified vulcanized resins in combination with tar or bitumen, small amounts chlorine latex, chlorinated Polypropylenes and Vinyl resins		D
50	Antimony, & compds.		7440-36-0					D
51	Antimonytrioxide (Diantimonytrioxide)	051-001-00-X	1309-64-4	EU-D 67/548/ECC	C ₃	Flame retardant for plastics and rubber/latex, opacifier in smelting coverings, friction lining in vehicle assembly		D
52	Antu (ISO): 1-(1-Naphtyl)-2thiurea		86-88-4	67/548/EWG	C ₃	fungicid	1%	D
53	Aromatic Amine compounds		several	67/548/EWG TRGS 905	C ₁ -C ₃ , M1-M3	Possible impurities in certain colours for natural textiles (production prohibited in Europe)	0,01%	P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
54	Aromatic amines or their salts: 4-Aminobiphenyl or its salts Benzidine or its salts 2-Naphthylamine or its salts 4-Nitrobiphenyl or its salts Diphenylamine Phenyl-beta-naphtalamine	(612-072-00-6) (612-042-00-2) (612-022-00-3) 609-039 00 3 612-026-00-5 612-135-00-8	(92-67-1) (92-87-5) (91-59-8) 92-93-3 122-39-4 135-88-6	EU-D 67/548/ECC EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr. 2	C ₁ -C ₃	Possible impurities in certain colours for natural textiles (production prohibited in Europe)	0,01%	P
55	Arsenic or its compounds	033-001-00-X	(7440-38-2)	EU-D 67/548/ECC EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr. 3	T, C ₁	Paints and smelting coverings, wood preservative, leather and textile finishes, water treatment, plane glass, metal glue, pyrotechnic objects, metal finishes, wood impregnation	0,01% (unless present in metals & alloys, then declaration limit is 0,05%)	P
56	Asbestos	650-013-00-6	1332-21-4 (several)	EU-D 76/769/ECC, ChemVerbotsV GefStoffV incl. App. IV Nr. 1	C ₁	Friction pads, gaskets, insulations		P
57	Atrazin		1912-24-9	67/548/EWG	C ₃ ;M ₃		1%	D
58	Azo compounds refer to Azo dyes							
59	Azo-dyes, which can release carcinogenic amine components	-	Several	EU-D 67/548/EEC EU-D 2002/61/EC	C ₁ -C ₂	in dyes	Restricted for use in textiles; 30mg/kg	P
60	Barium compounds (organic or water soluble)	-	(7440-39-3) several	EU-D 67/548/EEC TRGS 614, 905	X _n	Colour pigments, stabilizers for PVC, lubricant additives	1%	D
61	Benomyl (ISO)		17804-35-2	67/548/EWG	M ₃	fungicid	1%	D
62	Benzene	601-020-00-8	71-43-2	EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr. 4	C ₁ , M ₂	Fuel, solvent for latex enamels, raw material for other chemicals	0,01%	P
63	Benzidine or its salts	(612-042-00-2)	(92-87-5)	EU-D 67/548/ECC EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV No. 2	C ₁	Kongo dyes (benzidine dyes: mainly azo dyes) textile and leather dyes, antioxidants in rubber and elastomers	0,01%	P
64	Benzo(a)pyrene or other corresponding PAH's (i.e. Benzo(x)fluoranthene)	(601-032-00-3)	(50-32-8)	EU-D 67/548/ECC EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV No. 13	(C ₂ , M ₂), R _{F2} , R _{E2}	Mineral oils, soot, tar	individual thresholds	P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
65	Benzyl butyl phthalate	-	(85-68-7)			Adhesives, paints		D
66	Beryllium or Beryllium alloys	(004-001-00-7)	(7440-41-7)	EU-D 67/548/ECC	C ₂	Electric contacts, relays and switches		D
67	Beryllium salts or -oxides	(004-001-00-7)	(7440-41-7)	EU-D 67/548/ECC	C ₂	Ceramic materials in electric insulators		D
68	Biocidal coatings/biocidal additives			GefStoffV incl. App. IV Nr. 5				D
69	Biocides Chlorocresol (meta-) Chlorocresol (ortho-) Chlormethyl isothiazolinone Methyl isothiazolinone Organotin comp. (trialkyl) Thiram (TMTD)	(604-014-00-3) (604-050-00-X) 006-005-00-4	59-50-7 1570-64-5 26172-55-4 2682-20-4 several 137-26-8		T, N	Lubricants, paints, aqueous solutions, cooling water	no value limitation	D
70	Biphenyl: Biphenyl-2-ylamin 3,3-Dimethoxybenzidin & salts 3,3-Dimethylbenzidin & salts		90-41-5 119-90-4 119-93-7	67/548/EWG 67/548/EWG 67/548/EWG	C ₃ C ₂ C ₂		1% 0,05% 0,05%	P
71	Bis(2-methoxyethyl)phthalat		117-82-8	67/548/EWG; 67/769/EWG	R _{E2} ⁱ R _{F3}			D
72	Bis(chloromethyl)ether [BCME]		542-88-1					P
73	Bis(pentabromophenyl)ether		1163-19-5	TRGS905	C ₃		1%	D
74	Bis(tributyltin) oxide		56-35-9					P
75	β-Propiolactone		57-57-8					D
76	Brominated flame retardments see also PBB, PBDE, PBT					Textiles and plastics		D
77	Brominated Hydrocarbons		several	67/548/EWG TRSG905	C ₂ , C ₃	solvents		P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
78	Butadiene (1,3 - Butadiene)	601-013-00-X	106-99-0	EU-D 67/548/ECC	C ₁ , M ₂	i.e. manufacturing of synthetic rubber for tyres, as homopolymerisate (BR), as copolymerisate with Styrene (SBR) or Acrylonitrile (NR), starting product of Sulfolane, Chloroprene, Hexadiazine, softeners		D
79	Butyl acrylate		141-32-2					D
80	Butyl alcohol (1-Butanol)		71-36-3					D
81	Butyl benzyl phthalate (BBP)		85-68-7					D
82	Cadmium or it's compounds		(7440-43-9)	EU-D 2000/53/EEC EU-D 67/548/ECC EU-D 76/769/ECC	(C ₂)	Surface protection of metals, stabilizers in polymers, pigments, in enamels and plastics	0,01% (any intentionally introduced content must be stated) Observe exceptions of EU-D 2000/53/EEC in Annex II.	P
83	Carbamate: Di-allate (ISO) Carbaryl (ISO) Ziram		2303-16-4 63-25-2 137-30-4	67/548/EWG	C ₃ M ₃		1%	D
84	Carbondisulfide emitting substances		75-15-0	EU-D 67/548/EEC	R _{F3} , R _{E2}	Emitted substances from vulcanized elastomers		P
85	Chlor compounds (organic) refer to CHC		several	67/548/EWG				
86	Chlorepoxypropane (Epichlorhydrine) see: 1-Chloro-2,3-epoxy-propane							
87	Chlorinated Biphenyls see: Polychlorinated Biphenyls (PCB)							
88	Chlorinated hydrocarbons (CHC)	(602-015-00-3)	several	EU-D 67/548/ECC EU-D 76/769/ECC, ChemVerbotsV GefStoffV incl. App.IV Nr. 11	C ₃	Cleaners, solvents impregnating/proofing agents, fungicides, pesticides, fuel additive		P
89	Chloroaniline	612-010-00-8	106-47-8	EU-D 67/548/ECC	(C ₂)	Hardener or cross linking agent for polymers and epoxy resins		P
90	Chlorobenzene		108-90-7					D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
91	Chloro-fluoro-carbons (CFC) or other Ozone depleting substances			EU-R 594/91/EEC		Coolants, propellants, cleaners, solvents, impregnating agents, blowing agents (PU production)		P
92	Chloromethyl isothiazolinone		26172-55-4					D
93	Chloroparaffines, unbranched (C₁₀-H_{22n}Cl_n to C₃₀-H_{62n}Cl_n; n = 1-28)		Several	EU-D 76/769/EEC		Flame retarder substances	Chlorine paraffine with a chain length of C10-C13 are prohibited (P)	P
94	Chloroparaffines (C14-C17) Chloroparaffines (C10-C13) Chloroparaffines Chloroparaffine-Oil Chloroparaffine Wax		85535-85-9 85535-84-8 61788-76-9 85422-92-0 63449-39-8	GefstoffV 67/548/EWG	C ₃		(prohibited by VW)	P
95	Chromium(VI)-salts, compds.	(024-005-00-2)	(14977-61-8)	EU-D 67/548/EEC EU-D 2000/53/EEC	C ₂ , N	Chromium pigments (Lead chromate: Chromium Yellow, Barium chromate, Baryte Yellow), chromated surfaces e.g. Chromium Yellow, corrosion inhibitors, residues from dying and tanning.	Observe exceptions of the EU-D 2000/53/EEC in Annex II. Lead chromate without value.	P
96	Chromium, metal and trivalent (Cr3+) compds.		7440-47-3 16065-83-1					D
97	Cobalt or Cobalt compounds; Cobalt alloys	(027-001-00-9)	(7440-48-4)	EU-D 67/548/EEC	C ₃	Hard metal Galvanic Zn-Co-plating, ingredient in metals	Dangers caused by dusts, aerosols and smokes	D
98	Colophony (rosin)	650-015-00-7	8050-09-7			Adhesives, paints, cutting fluids	apply declaration > 1%	D
99	Copper, metallic		7440-50-8	No current regulation but SoC in dispersive friction material applications due to environmental impact potential; could be subject to future regulation				D
100	Creosote		several					D
101	Cresylic acid		1319-77-3					D
102	Cumene (Isopropyl benzene)		98-82-8					D
103	Cyanide & compds.		57-12-5					D
104	DDT and its isomeres		50-29-3	67/548/EWG	C ₃	Insectizid, herbizid		P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
105	Di-(2-ethyl)hexylphthalate (DEHP, see as well DOP)	-	117-81-7	EU-D 67/548/EEC	R _{E2}	Softening agent in plastics e.g. PVC		D
106	Di(methoxyethyl)phthalate		117-82-8					D
107	Di-μ-oxo-di-n-butylstannohydroxyborane (DBB) see: Tin organic compounds			EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV No. 9				P
108	Diamino-diphenyl-methane (4,4'-Diaminodiphenylmethane)	(612-051-00-1)	(101-77-9)	EU-D 67/548/ECC	C ₂	Preliminary and intermediate product of resins, adhesives, dyes, vulcanisation accelerators.	no limit value	P
109	Dibenz(a,h)anthracene		53-70-3					D
110	Dibutylphthalate (DBP)	-	84-74-2	EU-D 67/548/EEC	R _{E2}	Adhesives, paints, Softening agent in plastics e.g. PVC		D
111	Dichloropropanole (1,3-Dichloro-2-propanole)	602-064-00-0	96-23-1	EU-D 67/548/ECC	C ₂	Solvent for anti-wrinkle agents and flame retardants for textiles and for production of epoxy resins		D
112	Dieldrin		60-57-1	EU-D 67/548/ECC				P
113	Diethylphthalate		84-66-2					D
114	Dimethyl phthalate (DMP)		(131-11-3)			Hardeners, paints, protection against mosquitos		D
115	Di-μ-oxo-di-n-butyl stannic hydroxyborane (DBB)		75113-37-0					P
116	Dioxines or Furanes, chlorinated or brominated			ChemVerbotsV	T	Impurities in products; Possibly formation of Dioxines and Furanes during recycling processes, in cases of fires or re-use	1 ppb, 5 ppb, 100 ppb up to the grade of haloge-nation	P
117	Dipenten (Limonene)	601-029-00-7	138-86-3 5989-27-5		N	Solvent	Limitation value > 1%	D
118	Distillation products: Creosote Coal-tar					Distillation products, filler, wood- conservation		D
119	Divanadiumpentoxid		1314-62-1	67/548/EWG	M3, RE3		1%	P
120	DOP (Di-octyl-phthalate) s. DEHP (Di-(2-ethyl)-hexylphthalate)		117-84-0			Softening agent in plastics e.g. PVC		D
121	Epibromohydrin							P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
122	Epichlorhydrine see: 1-Chloro-2,3-epoxy-propane							
123	Epoxid compounds		several	67/548/EWG; TRGS905; 76/769/EWG	C, M			D
124	Estrogene Steroids		several	TRGS905	C ₃ , R _{E,F}			D
125	Ethanol, 2,2',2"-nitrilotris-		102-71-6	Norway Bestillingsnr. 463 (Risk of N-nitro compound formation in coolant admixtures)				D
126	Ethyl carbamate (Urethane)		51-79-6	EU-D 67/548/ECC; 67/769/EWG				P
127	Ethyl-/ Methyl-Glycols or their Acetates e.g. Ethyleneglycol-ethyletheracetate, Ethyleneglycol-methylether	- 607-037-00-7 603-011-00-4	111-15-9 109-86-4 110-80-5	EU-D 67/548/ECC TRGS 609	R _{F2} , R _{E2}	Solvent for Cellulose ester, waxes, dyes, PES- and PU-Enamels, synthetic resins, softening agents in Polyester resins, PES-fibers, Polyvinylalcohol, Polyvinylpyrrolidone		P
128	Ethylbenzene		100-41-4					D
129	Ethyleneimine		151-56-4					D
130	Formaldehyde	605-001-00-5	50-00-0	EU-D 67/548/ECC ChemVerbotsV	C ₃	Residues and degradation products of plastics (Aminoplasts, Urea- and Melamine resins, foam plastics, vulcanization accelerators, basis for synthetic tannins, Biocides (e.g. Disinfectants), adhesives, pressed wood elements		P
131	Glutaric aldehyde		113-30-8					D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
132	Glycols 2- Ethoxyethanol 2- Ethoxyethanol acetate 2-Methoxyethanol 2-Methoxyethanol acetat 2-Methoxypropylacetat-1 2-(2-Methoxyethoxy)ethanol 2-Methoxyethyl acetat 2-Methoxy-1-propanol	603-012-00-X 607-037-00-7 603-011-00-4 607-036-00-1	110-80-5 111-15-9 109-86-4 110-49-6 70567-70-4 111-77-3 110-49-6 1589-47-5	EU-D 67/548/ECC; 67/769/EWG; TRGS905	T, R _{F2} , R _{E2}	Solvent for Celluloseester, waxes, colors, PES- and PU-Enamels, synthetic resins, plasticisers for Polyester resins, PES-fibers, Polyvinylalcohol, Polyvinylpyrrolidone	no limitation value	P
133	Glyoxal		107-22-2	67/548/EWG	M ₃		1%	D
134	Halogenated aliphatic Hydrocarbons: see: Chlorinated Hydrocarbons (CHC) and Chloroparaffins							
135	Halons: Bromochlordifluoromethane (Halon 1211) Bromotrifluoromethane (Halon 1301) Dibromotetrafluoroethane (Halon 2402)		353-59-3 74-83-9 124 73-2	EU-Regulation 594/91/ECC		Fire extinguishers		P
136	Heterocyclen: 5-Allyl-1,3-benzodioxl (Safrol) 1,4-Butansulton 2,4 Butansulton Olaquindox Popazin 1,2,4-Triazol Tridemorph 9-Vinylcarbazol Morpholin-4-carbonylchlorid Myclobutanil Ethylenimin Siamzin		94-59-7 1633-83-6 1121-03-5 23696-28-8 139-40-2 288-88-0 24602-86-6 1484-13-5 15159-40-7 88671-89-0 151-56-4 122-34-9	67/548/EWG; 76/769/EWG TRGS905 GefstoffV; TRGS905 TRGS905 67/548/EWG 67/548/EWG 67/548/EWG;76/769/EWG TRGS905 TRGS905; 67/548/EWG 67/548/EWG 67/548/EWG; 76/769/EWG 67/548/EWG	C ₂ ; M ₃ C ₃ C ₂ C ₃ C ₃ R _{E3} R _{E2} M ₃ C ₂ R _{E3} C ₂ ; M ₂ C ₃		0,1%; 1% 1% 0,01% 1% 1% 5% 0,5% 1% 0,1% 5% 0,1% 1%	D
137	Hexachlorobenzene		118-74-1					P
138	Hexachlorobutadiene		87-68-3					P
139	Hexachlorocyclohexane	200-401-2	58-89-9	GefStoffV with App. IV Nr. 5		Insecticide, substance in wood protecting compounds		P
140	Hexachlorofluoropropane		29470-94-8					P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classification
141	Hexamethylphosphoric triamide		680-31-9					P
142	Hexamines			Not currently regulated but releaseable hexamines are relevant to vehicle interior air quality				D
143	Hexane (n-Hexane)	601-037-00-0	110-54-3		N, C ₃	Solvent	Excepted gasoline, diesel.	D
144	Hexanon (2-Hexanon)		591-78-6	67/548/EWG; TRGS906	R _{F3}		5%	D
145	Hydrazine	007-008-00-3	302-01-2	EU-D 67/548/ECC	C ₂	Residual monomers in plastics, pigments and adhesives, antioxidants for the stabilizing of Amines, Phenols, in oils, greases, natural latex; blowing agents for foamed plastics		P
146	Hydrobromofluorocarbons; HBFC's			Montreal Protocol; EU Regulation (EC R 2037/2000); US EPA Class I ODS				P
147	Hydrochlorofluorocarbons; HCFC's			Montreal Protocol; EU R-2037/2000; US EPA Class II ODS				P
148	Hydrofluoric acid (HF)	009-002-00-6	7664-39-3		T ₊	Pickling, etching, galvanisation		D
149	Hydrofluorocarbons; HFC's							P
150	Hydrogen Sulphide emitting substances		04.06.7783		T ₊	Emitted products during vulcanization process		D
151	Isocyanates		Several					P
152	Isophoron		78-59-1	67/548/EWG; TRGS905	C ₃		1%	D
153	Isothiazolinones		26822-20-4 26172-55-4					D
154	Potassic-bromate (Kaliumbromat)		77-58-01-2	67/548/EWG; 67/769/EWG	C ₂	electronic devices, piezo electronics		P
155	Lactone: Warfarin 3-Propanolid (R,S)-4-Hydroxy-(3-oxox-1-phenylbotyl)benzopyron		81-81-2 57-57-8 55-43-58-8 55-43-57-7	67/548/EWG; 67/769/EWG	R _{E1} C ₂ R _{E1}		0,5%	D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
156	Lead as an alloy component			EU-D 2000/53/EEC		Maschining steel, maschining aluminum, bearing metals	Observe exceptions of the EU-D 2000/53/EEC in Annex II.	P
157	Lead or it's compounds		(7439-92-1)	EU-D 2000/53/EEC EU-D 67/548/EEC	(R _{F3} , R _{E1})	Lead as component in metals and alloys: e.g. bearing metals, steel, brass, Aluminium processed in automated machines; Pb-containing stabilizers and pigments, corrosion inhibitors	Observe exceptions of the EU-D 2000/53/EEC in Annex II.	P
158	Lead salts (Lead sulphate, - hydrogencarbonate, carbonate etc.) Lead chromate: see Chromium(VI)-salts			EU-D 67/548/EEC EU-D 76/769/EEC	R _{F1} , R _{E1}	Cable insulation, containers and tubes for aggressive fluids, production of pigments, Lead alloys, corrosion inhibitors		P
159	Manganese & cmpds.		7439-96-5					D
160	m-Chlorocresol		59-50-7					D
161	m-Cresol		108-39-4					D
162	Mercury or Mercury compounds		7439-97-6	EU-D 2000/53/EEC EU-D 67/548/EEC EU-D 76/769/EEC ChemVerbotsV GefStoffV incl. App.IV Nr. 7	T	High intensity discharge lamps, electric switches, luminescent material for instrument lighting	Observe exceptions of the EU-D 2000/53/EEC in Annex II.	P
163	Methanol		67-56-1	Norway, Sweden (SFS1985:840; SFS 1986:8), Denmark, Finnland				P
164	Methyl bromide		74-83-9					P
165	Methyl chloromethyl ether		107-30-2					D
166	Methyl ether		111-86-4					D
167	Methyl ethyl ketone (MEK)		78-93-3					P
168	Methyl isothiazolinone		2682-20-4					D
169	Methyl n-butyl ketone							P
170	Methylacrylamidomethoxy-acetate	607-190-00-X	77402-03-0	EU-D 67/548/ECC	C ₂ , M ₂	production of polymers		D
171	Methylene-bis-phenyl isocyanate (MDI)		101-68-8					D
172	Methyl-n-butyl keytone		591-78-6					D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
173	Mineral fibers: natural and synthetic (e.g. glass, ceramic fibers)	-	-	EU-D 67/548/EEC	R _{F2} , R _{E2}	Friction lining, screens, re- inforcement, insulation, cables		D
174	Molybdate red		12656-85-8					D
175	Monomethyldibromodiphenylmethane	602-071-00-9	99688-47-8	EU-D 67/548/ECC EU-D 76/769/EEC		Residues and decomposition products in manufacture of polymers		P
176	Monomethyldichlorodiphenylmethane	607-204-00-4	81161-70-8	EU-D 67/548/ECC EU-D 76/769/EEC		Residues and decomposition products in manufacture of polymers		P
177	Monomethyltetrachlorodiphenylmethane	602-072-00-4	76253-60-6	EU-D 67/548/ECC		Residues and decomposition products in manufacture of polymers		P
178	N,N'-ditolyl-p-phenylenediamine		27417-40-9	Japan (Chemical substances control law)				P
179	N,N'-dixylyl-p-phenylenediamine		28726-30-9	Japan (Chemical substances control law)				P
180	N,N-Dimethylformamide	616-001-00-X	68-12-2	EU-D 1999/137/EC EU-D 1991/689/EEC	R _{E2}			D
181	Naphthalene		91-20-3					D
182	Nickel or Nickel compounds, Ni-alloys	028-002-00-7	(7440-20-0)	EU-D 76/769/ECC, GefStoffV	(C _x)	Welding electrodes, flame spraying, special materials, component in alloys.		D
183	Nitrile: Bromoxynil (ISO) loxynil (ISO)		1689-84-5 1689-83-4	67/548/EWG	R _{E3}		5%	D
184	Nitrites (cancer causing and Nitrosamine forming) see "Nitrosamines"			EU-D 67/548/ECC GefStoffV with App. IV Nr. 19		Additives in engine coolants and metal cutting fluids, vulcanizers in technical rubber products, preservative in friction linings		D
185	Nitro compounds		several	67/548/EWG; TRGS905; 76/769/EWG			individual thresholds (observe VOLKSWAGEN standard)	D/P
186	Nitrobenzene		98-95-3					D
187	Nitrocellulose					Gas generators e.g. Airbags		D
188	Nitrogen compounds (organic)		several	67/548/EWG; 76/769/EWG; TRSG905	C-M		individual thresholds	D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
189	Nitroso amines		several	EU-D 67/548/EEC TRGS 552	C ₂	Synthetic latex, cleavage and reaction products of the polymerization system		P
190	n-nitrosomorpholin		59-89-2					D
191	n-Nitrosopiperidine		100-75-4					D
192	n-Nitrosopyrrolidine		930-55-2					D
193	Nonylphenoethoxylates		Several					P
194	Nonylphenoethoxylates NFE		104-40-5 25154-52-3 84852-15-3					P
195	n-Phenyl-2-naphthalenamine		135-88-6					P
196	N-toly-n'-xylyl-p-phenylenediamine		70290-05-0	Japan (Chemical substances control law)				P
197	o-Aminoazotoluene salts		Several					P
198	o-Chlorocresol		1570-64-5					D
199	o-Cresol		95-48-7					D
200	Octabromdiphenylether		32536-52-0	TRGS905	R _{E2}		0,5%	P
201	Octamethylcyclotetrasiloxan (D4)		556-67-2	TRGS905	R _{F3}		5%	D
202	Octylphenol		27193-28-8					P
203	Octylphenoethoxylates		9063-89-2 9036-19-5					P
204	o-Dichlorobenzene		95-50-1					D
205	Ozone		10028-15-6	TRGS905	C ₃		1%	D
206	p-Chloraniline salts		Several					P
207	p-Cresidine salts		Several					P
208	p-Cresol		106-44-5					D
209	Pentabromoethyl benzene							P
210	Pentachlorophenol (PCP) or it's compounds	604-002-00-8	(87-86-5)	EU-D 67/548/ECC EU-D 76/769/ECC, ChemVerbotsV GefStoffV with App.IV Nr. 12	T, C ₃	Wood preservative, salt used in treating leather and animal skins, stabilizer for latex	0,0005%	P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
211	Perfluoroalkyl compounds, uncludes: Perfluoroalkyl sulfonates (e.g. PFOS), fluotelomers, and telomer-based polymeric substances			Certain perfluoroalkyl comp. Are increasingly recordnised as potentially persistent, bioaccumulative, toxic chemicals. Since EU and Namerika regions are requesting usage data, these comp. Are included at this time in order for the automotive industry to gather data/respond to regulatory inquiries.				D
212	Perfluorocarbons (PFCs)		75-73-0 115-25-3 355-25-9 76-16-4 76-19-7					P
213	Phenol	604-001-00-2	108-95-2	EU-D 67/548/ECC	T	Residual monomer in phenolic resins, epoxy resins, anti-oxidant in phenol derivatives, decomposition product in polymeric materials, wooden materials and textiles		D
214	Phosphorus							P
215	Phosphorus compounds (organic)			67/548/EWG; TRGS905	C-M	Insectizid, herbizid		D
216	Phthalates: see: Di-(2 ethyl)-phthalate and DOP Dibutyl phthalate Dimehtyl phthalate Benzyl butyl phthalat							
217	Polybrominated Biphenyls (PBB)		59536-65-1	US TSCA EU-D 76/769/ECC EU-D 2003/11/ECC		Flame retarders in plastics and textiles.	0,001%	P
218	Polybrominated Diphenylethers (PBDE) Diphenylether-Pentabromderivat Diphenylether-Octabromderivat		(32534-81-9) (32536-52-0)	EU-D 2003/11/EC		Flame retardants in plastics and textiles		P
219	Polybrominated Terphenyls (PBT)			US TSCA		Flame retarders in plastics and textiles.	0,001%	D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
220	Polychlorinated Biphenyls (PCB)	602-039-00-4	(1336-36-3)	EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr. 14		Insulation fluid in electrical systems, switch boards transformers and condensers, in wood and paper impregnation, as a softening agent	0,005%	P
221	Polychlorinated Naphtalenes (Polynaphtalene chloride)		38289-27-9	Japan (Chemical substances control law)				P
222	Polychlorinated Terphenyls (PCT)		(61788-33-8)	EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr. 14		see PCB	0,001%	P
223	Polycyclic aromatic hydrocarbons (PAH, PCAH) see also: Benzo(a)pyren		(601-032-00-3)				see individual thresholds	P
224	Polyvinylchloride (PVC)		9002-86-2					D
225	Potassium cresylate		12002-51-6					D
226	Propylene oxide		75-56-9					D
227	Propylene thiourea		2122-19-2	67/548/EWG	C ₄		1%	D
228	Radioactive substances, including scrap material contaminantes			Regulation on Protection Against Radiation (StrSchV)		High intensity discharge lamps		D
229	Selenium & cmpds.		7782-49-2					D
230	Sodiumazide	011-004-00-7	26628-22-8	EU-D 67/548/ECC	T ₊	Gas generators e.g. airbags		D
231	Sodiumnitrite	007-010-0-4	7632-00-0		T	Anti-rust agent		D
232	Strontium chromate	024-009-0-4	77-89-06-2		T, N	Pigments		D
233	Styrene (Vinyl benzene)	601-026-00-0	100-42-5	EU-D 67/548/ECC	Xn	Residual monomer in ABS-, Polystyrene-, SMC-, UPE-resin-parts		D
234	Styrene oxide (Epoxy styrene)	603-084-00-2	96-09-3	EU-D 67/548/ECC	C ₂	Residual monomer e.g. in SMC		D
235	Sulfur compounds (organic)			67/548/EWG	C-M			D
236	Sulfur Hexafluorid (SF6)		2551-62-4	Substance of concern due to global warming potential				P

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
237	Surface active agents 4-Nonylphenol Octylphenol Nonylphenoethoxylates Octylphenoethoxylates		104-40-5 9016-45-9 n.n. n.n.		N	Production of ethoxylates, cleaner, antioxidative additives, rubber, adhesives, hardener, paints, cutting fluids, lubricants	no limitation value	P
238	Surface-active agents DHTDMAC DSDMAC DTDMAC		61789-80-8 107-64-2 68783-78-8		N	Softner, ringsing agent, vehicle care product		D
239	Thallium or it's compounds	081-001-00-3	7440-28-0	EU-D 67/548/ECC	T ₊	electric components, sensors		D
240	Thiocarbamide	612-082-00-0	62-56-6		C ₃ , N	Rubbers and plastics	no limitation value	P
241	Thioperoxydicarbonic diamide ([H ₂ N)C(S)] ₂ S ₂), tetramethyl-		137-26-8	Japan (Waste Disposal and cleaning Law)				D
242	Tin compounds (organic) Mono- and Dialkyle-Tin compounds					Catalyst for PUR-foams and stabilizer for PVC		D
243	Tin compounds (organic) Trialkyle- and Triaryle-Tin compounds Triorganotin compounds			EU-D 76/769/ECC ChemVerbotsV GefStoffV incl. App. IV Nr.5+8	T	Biocide in antifouling paints		P
244	Toluene		108-88-3					P
245	Toluene: 2,4-Toluene diisocyanate	615-006-00-4	584-84-9		T ₊	Pur foams, adhesives		D
246	Toluene: 2,6-Toluene diisocyanate	615-006-00-4	91-08-7		T ₊	Pur foams, adhesives		D
247	Toluidine	(612-091-00-X)	(95-53-4)	EU-D 67/548/ECC	C ₂	Substance for the production of dyes, textile aids, as reagent for lignin		D
248	Tribromine ethane		75-25-2	TRGS905	C ₃		1%	P
249	Trichlorethylene (Tri), (TCE)	602-027-00-9	79-01-6		C ₃	Solvent, cleaner		P
250	Trichlorobutylene oxide							P
251	Trichlorophenol or it's salts (2,4,6 -Trichlorophenol)	(604-018-00-5)	(88-06-2)	EU-D 67/548/ECC	(C ₃)	Fungicide, bactericide, preservative for leather and textiles		D

No.	Material/Substance	EU-INDEX-No.:	CAS-No.	Source (Legal requirements, regulations)	Danger/ Risk	Examples for usage / existence	Remarks and Comments (deviation from 0,1%)	Classi- fication
252	Trichloropropane (1,2,3 - Trichloropropane)	602-062-00-X	96-18-4	EU-D 67/548/ECC	X _n	As solvent and as trifunctional cross-linking agent e.g. for polysulphide elastomers		D
253	Triethanolamine							P
254	Triglycidylisocyanurat (TGIC)	615-021-00-6	2451-62-9		T, R _{F2}	Powder Paints		D
255	Trimethylphosphate or related compounds		(512-56-1)	(EU-D 76/769/ECC)		Flame retardant		P
256	Triphenyl phosphate		115-86-6		N	Flame retardants and antioxidant		D
257	Tris-(1-aziridinyl) phosphine oxide		545-55-1	EU-D 83/264/EEC				P
258	Tris-(2,3-dibromopropyl) phosphate (TRIS)		126-72-7	EU-D 79/663/EEC				P
259	Vinyl chloride	602-023-00-7	75-01-4	EU-D 67/548/ECC	C ₁	Residual monomer in polymers	0,0005% vinyl chlorid monomer in materials	P
260	Vinyl acetate		108-05-4	TRGS905	C ₃	polimerisation	1%	D
261	Vinylidene chloride		75-35-4					P
262	Xylene		1330-20-7					D
263	Zinc chromate	024-007-00-3	13530-65-9		T, N	Pigments		D
264	Zinc compounds (organic)		(7440-66-6)			Stabilizor for polymers		D

