

List of carcinogenic, mutagenic and reprotoxic substances (CMR substances)

The table below shows the classifications in categories according to CLP Regulation 1272/2008. The list contains CMR substances classified either according to Table 3 of Annex VI of the CLP Regulation or listed in TRGS 905 “List of carcinogenic, germ-cell mutagenic and reprotoxic substances” or in TRGS 906 “List of carcinogenic activities and processes according to section 3 (2) no. 3 of the German Hazardous Substances Ordinance (GefStoffV)”.

(CMR – carcinogenic, mutagenic and reprotoxic; CLP: Classification, Labelling and Packaging).

The classification rules under Regulation (EC) No. 1272/2008 (CLP Regulation) require a manufacturer or importer to deviate from the harmonised classification given in Annex VI if the substance is known to fall under at least one hazard class or hazard category not covered by the relevant entry in Annex VI. In such a case, an extended classification is required over and above the one given in the Annex VI entry. These self-classifications are not harmonised. If there are differences between the classification under the safety data sheet and the harmonised classification under Table 3 of Annex VI of the CLP Regulation provided in the CMR List, the classification under the safety data sheet is decisive for the implementation of measures under the German Hazardous Substances Ordinance (GefStoffV). However, irrespective of this, the entries in TRGS 905 and 906 still need to be observed.

Any newly added or modified entries are marked with a “#” in the second column.

Further explanatory notes on the entries in the table can be found at the end of the document.

The many different nickel compounds are grouped together in group entries. For nickel compounds, we recommend searching by CAS or EC numbers.

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|------------------------------|------------------------|----|---|----------------|----------------|
| Abamectin (combination of abamectin B1a and abamectin B1b) (ISO); abamectin B1a (purity ≥ 80%) (618/2012) | 71751-41-2 65195-55-3 | 615-339-5 265-610-3 | | | 2 | |
| Acetaldehyde (2018/1480) | 75-07-0 | 200-836-8 | 1B | 2 | | |
| Acetamide | 60-35-5 | 200-473-5 | 2 | | | |
| Acetamipride (ISO); (1E)-N-[(6-chloropyridine-3-yl)-methyl]-N'-cyano-N-methylethanimidamide; (E)-N1-[(6-chloro-3-pyridyl)-methyl]-N2-cyano-N1-methylacetamidine (2022/692) | # 160430-64-8 135410-20-7 | 682-791-8 603-921-1 | | | 2 | |
| Acetochlor (ISO) (2016/1179) | 34256-82-1 | 251-899-3 | 2 | | | 2 |
| Acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid, reaction product of | 224635-63-6 | 406-230-1 | 2 | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|----------------|----------------|----------|----|----------------|----------------|
| N-[2-(3-Acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl]acetamide | 777891-21-1 | 416-860-9 | | | | 2 |
| Aclonifen (ISO); 2-chloro-6-nitro-3-phenoxyaniline (944/2013) | 74070-46-5 | 277-704-1 | 2 | | | |
| Acrylamide | 79-06-1 | 201-173-7 | 1B | 1B | | 2 |
| Acrylnitrile | 107-13-1 | 203-466-5 | 1B | | | |
| Alachlor | 15972-60-8 | 240-110-8 | 2 | | | |
| Aldrin (ISO) | 309-00-2 | 206-215-8 | 2 | | | |
| 5-Allyl-1,3-benzodioxole | 94-59-7 | 202-345-4 | 1B | 2 | | |
| 6-[(C10-C13)-Alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]-hexanoic acid (2022/692) | # 2156592-54-8 | 701-118-1 | | | 1B | 1B |
| 6-[(C12-18)-Alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]-hexanoic acid (2022/692) | # | | | | 1B | 1B |
| 6-[C12-18-Alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]-hexanoic acid, sodium- and tris(2-hydroxyethyl) ammonium salts (2022/692) | # | | | | 1B | 1B |
| 4-Allyl-2,6-bis(2,3-epoxypropyl)phenol; 4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol; 4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol; 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, reaction mass of | | 417-470-1 | | 2 | | |
| 1-Allyloxy-2,3-epoxypropane | 106-92-3 | 203-442-4 | 1B* 2 | 2 | --- | 2 |
| 4-Aminoazobenzene | 60-09-3 | 200-453-6 | 1B | | | |
| 4-Aminobiphenyl | 92-67-1 | 202-177-1 | 1A | | | |
| 4-Aminobiphenyl, salts of | | | 1A | | | |
| 1-[2-(2-Aminobutoxy)ethoxy]but-2-ylamine and 1-({[2-(2-aminobutoxy)ethoxy]methyl}propoxy)but-2-ylamine, reaction mass of (2018/1480) | 897393-42-9 | 447-920-2 | | | | 2 |
| 1-(2-Amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [content of 4-chloroaniline (EC No 203-401-0) < 0.1%] (790/2009) | 214353-17-0 | 433-580-2 | 1B | | | |
| (R,S)-2-Amino-3,3-dimethylbutanamide (790/2009) | 144177-62-8 | 447-860-7 | | | | 2 |
| 6-Amino-2-ethoxynaphthalene (TRGS 905 No. 4) | 293733-21-8 | 826-917-3 | 1B* | | | |
| 2-(2-Aminoethylamino)ethanol (790/2009) | 111-41-1 | 203-867-5 | | | 1B | 2 |

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|---|--------------|----------------|-----|-----|----------------|----------------|
| 3-Amino-9-ethylcarbazole (790/2009) | 132-32-1 | 205-057-7 | 1B | | | |
| 4-Amino-3-fluorophenol | 399-95-1 | 402-230-0 | 1B | | | |
| 5-[[4-[(7-Amino-1-hydroxy-3-sulpho-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid and 5-[[4-[(7-amino-1-hydroxy-3-sulpho-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid, reaction mass of | 163879-69-4 | 418-230-9 | | | | 2 |
| o-Aminophenol | 95-55-6 | 202-431-1 | | 2 | | |
| p-Aminophenol | 123-30-8 | 204-616-2 | | 2 | | |
| Amisulbrom (ISO); 3-(3-bromo-6-fluoro-2-methylindol-1-ylsulphonyl)-N,N-dimethyl-1H-1,2,4-triazole-1-sulphonamide (2018/1480) | 348635-87-0 | 672-776-4 | 2 | | | |
| Amitrole (ISO); 1,2,4-triazol-3-ylamine | 61-82-5 | 200-521-5 | --- | | 2 | |
| (6R-trans)-1-((7-Ammonio-2-carboxylato-8-oxo-5-thia-1-azabicyclo-[4.2.0]oct-2-ene-3-yl)methyl)pyridiniumiodide (790/2009) | 100988-63-4 | 423-260-0 | | 2 | | |
| 2-[4-(2-Ammoniopropylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulphamoylphenylazo)-2-sulphonatonaphth-7-ylamino]-1,3,5-triazin-2-ylamino]-2-aminopropylhydroformiate | 784157-49-9 | 424-260-3 | | | | 2 |
| Ammonium bromide (2022/692) | # 12124-97-9 | 235-183-8 | | | 1B Lact. | 1B |
| Ammonium dichromate | 7789-09-5 | 232-143-1 | 1B | 1B | 1B | 1B |
| Ammonium pentadecafluorooctanoate (944/2013) | 3825-26-1 | 223-320-4 | 2 | | 1B | |
| Ammonium perfluorooctane sulphonate – see: Perfluorooctane sulphonic acid | | | | | | |
| Anabolic steroids (steroid hormones) | | | 2* | --- | 1B* | 1A* |
| Androgens (steroid hormones) | | | 2* | --- | 1B* | 1A* |
| Androgens, weak (steroid hormones) | | | --- | --- | 2* | 2* |
| Androsta-1,4,9(11)-trien-3,17-dion (790/2009) | 15375-21-0 | 433-560-3 | | | | 2 |
| Aniline | 62-53-3 | 200-539-3 | 2 | 2 | --- | --- |
| Aniline, salts of | | | 2 | 2 | | |
| Anthraquinone (2017/776) | 84-65-1 | 201-549-0 | 1B | | | |
| Antu (ISO); 1-(1-naphthyl)-2-thiourea | 86-88-4 | 201-706-3 | 2 | | | |
| Arsenic acid | 36465-76-6 | | 1A* | | | |
| Arsenic acid (790/2009) | 7778-39-4 | 231-901-9 | 1A | | | |

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|---|---|--|------------|----|----------------|----------------|
| Arsenic acid, salts, unless specified by name in the list (790/2009) | | | 1A | | | |
| Asbestos | 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5 | 601-649-8 601-801-3 616-471-6 616-473-7 616-472-1 601-650-3 | 1A | | | |
| Azafenidin | 68049-83-2 | 620-425-0 | | | 1B | 2 |
| Azamethiphos (ISO); S- [(6-chloro-2-oxooxazolo [4,5-b]pyridin-3(2H)-yl) methyl]- O,O- dimethylthiophosphate (2021/849) | 35575-96-3 | 252-626-0 | 2 | | | |
| Azobenzene | 103-33-3 | 203-102-5 | 1B | 2 | --- | --- |
| Azo dyes: Azo dyes with a carcinogenic amine component (H350). According to section 3 (2) of the German Hazardous Substances Ordinance (GefStoffV) and TRGS 905 No. 4, mixtures of azo dyes with a carcinogenic amine component of category 1A or 1B must be classified as carcinogenic depending on their content of carcinogenic amine that can potentially be released through reductive azo cleavage and the content of the azo dye in the mixture (H350). | | | 1A* or 1B* | | | |
| Benzidine-based azo dyes, with the exception of those specified by name | | | 1B | | | |
| Azo dyes based on 3,3'-dimethoxybenzidine | | | 1B | | | |
| Azo dyes based on 3,3'-dimethylbenzidine | | | 1B | | | |
| Barium diboron tetraoxide (2022/692) | # 13701-59-2 | 237-222-4 | | | 1B | 1B |
| Benfuracarb (ISO) (790/2009) | 82560-54-1 | 617-356-3 | | | | 2 |
| Benomyl (ISO) | 17804-35-2 | 241-775-7 | | 1B | 1B | 1B |
| Bentazone (ISO); 3-isopropyl-2,1,3-benzothiadiazine-4-on-2,2-dioxide (2022/692) | # 25057-89-0 | 246-585-8 | | | 2 | |
| Benzidine | 92-87-5 | 202-199-1 | 1A | | | |
| Benzidine, salts of | | | 1A | | | |
| Benzo[a]anthracene (790/2009) | 56-55-3 | 200-280-6 | 1B | | | |
| Benzo[b]fluoranthene | 205-99-2 | 205-911-9 | 1B | | | |
| Benzo[j]fluoranthene | 205-82-3 | 205-910-3 | 1B | | | |
| Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | 1B | | | |
| Benzene | 71-43-2 | 200-753-7 | 1A | 1B | | |

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|--|---|--|-------------|-----|----------------|----------------|
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich; di-iso-heptyl phthalate (790/2009) | 71888-89-6 | 276-158-1 | --- | --- | 1B | 2* |
| 1,2-Benzenedicarboxylic acid, di-C7-9-branched and linear alkyl esters | 68515-41-3 | 271-083-0 | --- | --- | 2* | --- |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | --- | --- | 1B | 2 |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched and linear alkyl esters | 68515-43-5 | 271-085-1 | --- | --- | 2* | --- |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (2015/1221) | 68515-50-4 | 271-093-5 | | | 1B | 1B |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear n-pentyl isopentyl phthalate di-n-pentyl phthalate diisopentyl phthalate (DIPP) | 84777-06-0 776297-69-9 131-18-0 605-50-5 | 284-032-2 933-378-9 205-017-9 210-088-4 | --- | --- | 1B | 1B |
| Benzo[<i>rst</i>]pentaphene (2020/217) | 189-55-9 | 205-877-5 | 1B | 2 | | |
| Benzo[<i>a</i>]pyrene | 50-32-8 | 200-028-5 | 1B | 1B | 1B | 1B |
| Benzo[<i>e</i>]pyrene | 192-97-2 | 205-892-7 | 1B | | | |
| Benzophenone (2022/692) | # 119-61-9 | 204-337-6 | 1B | | | |
| Benzyl butyl phthalate | 85-68-7 | 201-622-7 | --- | --- | 1B | 2 |
| Benzyl 2,4-dibromobutanoate | 23085-60-1 | 420-710-8 | | | | 2 |
| 2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone (2020/217) | 119313-12-1 | 404-360-3 | | | 1B | |
| Benzyl violet 4B; (4-((4-(dimethylamino)phenyl)(4-(ethyl(3-sulphonatobenzyl)amino) phenyl)methylene)cyclohexa-2,5-dien-1-ylidene)(ethyl)(3-sulphonatobenzyl) ammonium, sodium salt | 1694-09-3 | 216-901-9 | 2 | | | |
| Beryllium | 7440-41-7 | 231-150-7 | 1B H350i | | | |
| Beryllium compounds, with the exception of beryllium alumina desilicates as well as those specified by name. | | | 1B H350i | | | |
| Beryllium oxide | 1304-56-9 | 215-133-1 | 1B H350i | | | |
| N-{2-[[1,1'-Bi(cyclopropyl)]-2-yl] phenyl}- 3-(difluormethyl)-1-methyl-1H-pyrazole- 4-carboxamide; sedaxane (2021/849) | 874967-67-6 | 688-331-2 | 2 | | | |
| Bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl <i>rel</i> -(1 <i>R</i> ,3 <i>R</i>)-3-[(1 <i>Z</i>)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate (944/2013) | 82657-04-3 | 617-373-6 | 2 | | | |
| Binapacryl | 485-31-4 | 207-612-9 | | | 1B | |

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|---|--------------------------|------------------------|-----|-----|----------------|----------------|
| Biphenyl-3,3',4,4'-tetrayltetraamine, salts of: see 3,3'-diaminobenzidine | | | | | | |
| Biphenyl-2-ylamine | 90-41-5 | 201-990-9 | 2 | | | |
| (7-(4,6-Bis-(2-ammoniopropylamino)-1,3,5-triazin-2-ylamino)-4-hydroxy-3-((2-methoxyphenyl)azo)naphthaline-2-sulphonato)monoformiate | 108225-03-2 | 402-060-7 | 1B | | | |
| 2,2-Bis(bromomethyl)propane-1,3-diol (2020/1182) | 3296-90-0 | 221-967-7 | 1B | 1B | | |
| 4,4'-Bis(N-carbamoyl-4-methyl benzene sulphonamide)diphenyl methane (790/2009) | 151882-81-4 | 418-770-5 | 2 | | | |
| Bis(chlormethyl) ether (790/2009) | 542-88-1 | 208-832-8 | 1A | | | |
| Bis(cyclopenta-1,3-dienid-bis(2,6-difluoro3-(1H-pyrrol-1-yl)phenolide) titan(IV) | 125051-32-3 | 412-000-1 | | | | 2 |
| 6,6'-Bis(diazo-5,5',6,6'-tetrahydro-5,5'-dioxo)[methylenbis(5-(6-diazo-5,6-dihydro-5-oxo-1-naphthylsulphonyloxy)-6-methyl-2-phenylen)]di(naphthalene-1-sulphonate) (790/2009) | | 441-550-5 | 2 | | | |
| Bis(α,α-dimethylbenzyl) peroxide (2020/1182) | 80-43-3 | 201-279-3 | | | 1B | |
| 1,3-Bis(2,3-epoxypropoxy)benzene (2020/1182) | 101-90-6 | 202-987-5 | 1B | 2 | | |
| Bis(2-ethylhexyl) phthalate DEHP | 117-81-7 | 204-211-0 | --- | --- | 1B | 1B |
| 4-[[Bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole; 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole, reaction mass of | | 403-250-2 | 2 | | 1B | |
| 4,7-Bis(mercaptomethyl)-3,6,9-trithia-1,11-undecandithiol, 4,8-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecandithiol and 5,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecandithiol, reaction mass of (790/2009) | 170016-25-8 | 427-050-1 | | | | 2 |
| 1,2-Bis(2-methoxyethoxy) ethane | 112-49-2 | 203-977-3 | --- | --- | 1B | 2 1B* |
| Bis(2-(2-methoxyethoxy)ethyl)ether; tetraethylenglycoldimethylether (2020/1182) | 143-24-8 | 205-594-7 | | | 1B | 1B |
| Bis(2-methoxyethyl)ether | 111-96-6 | 203-924-4 | | | 1B | 1B |
| Bis(2-methoxyethyl)phthalate | 117-82-8 | 204-212-6 | | | 1B | 2 |
| Bis(pentabromphenyl)ether | 1163-19-5 | 214-604-9 | 2* | --- | --- | --- |
| Bis(tributyltin)oxide | 56-35-9 | 200-268-0 | | | 2* | 1B* |
| 1,3-Bis(vinylsulphonylaceto)propane | 93629-90-4 | 428-350-3 | | 2 | | |
| Bisphenol S; 4,4'-sulphonyl diphenol (2022/692) | # 80-09-1 | 201-250-5 | | | 1 | 1B |
| Boric acid Boric acid | 10043-35-3 11113-50-1 | 233-139-2 234-343-4 | | | 1B | 1B |
| 2-Bromo-2-chloro-1,1,1-trifluoroethane | 151-67-7 | 205-796-5 | | | 1B* | --- |

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|--|-----------------------|------------------------|----------|----------|----------------|----------------|
| Brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin (2016/1179) | 56073-10-0 | 259-980-5 | | | 1A | |
| Bromadiolon (ISO); 3-[3-(4'- brombiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H- chromen-2-one (2016/1179) | 28772-56-7 | 249-205-9 | | | 1B | |
| Bromethane | 74-96-4 | 200-825-8 | 1B* 2 | | | |
| Bromethene | 593-60-2 | 209-800-6 | 1B | | | |
| Bromomethane | 74-83-9 | 200-813-2 | --- | 2 | --- | --- |
| 1-Bromo-2-methylpropyl propionate (790/2009) | 158894-67-8 | 422-900-6 | 2 | | | |
| (R)-5-Bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole | 143322-57-0 | 422-390-5 | | | | 2 |
| Bromoxynil (ISO); 3,5-dibromo-4-hydroxybenzoxonitrile | 1689-84-5 | 216-882-7 | | | 2 | |
| Bromoxynil heptanoate | 56634-95-8 | 260-300-4 | | | 2 | |
| 1-Bromopropane | 106-94-5 | 203-445-0 | --- | --- | 1B | 1B |
| 2-Bromopropane | 75-26-3 | 200-855-1 | | | | 1A |
| 1-Bromo-3,4,5-trifluorobenzene | 138526-69-9 | 418-480-9 | 2 | | | |
| Bupirimate (ISO); 5-butyl-2-ethyl amino-6-methyl pyrimidin-4-yl-dimethyl sulphamate (2016/1179) | 41483-43-6 | 255-391-2 | 2 | | | |
| 1,3-Butadiene | 106-99-0 | 203-450-8 | 1A | 1B | | |
| n-Butane, contains ≥ 0.1% butadiene | 106-97-8 | 203-448-7 | 1A | 1B | | |
| ISO-Butane, contains ≥ 0.1% butadiene | 75-28-5 | 200-857-2 | 1A | 1B | | |
| 2-Butanone oxime (2020/1182) | 96-29-7 | 202-496-6 | 1B | | | |
| 1,4-Butane sultone | 1633-83-6 | 216-647-9 | 2* | | | |
| 2,4-Butane sultone (TRGS 905 No. 4) | 1121-03-5 | 214-325-2 | 1B* | | | |
| Crotonaldehyde; 2-Butenal (E)-2-butenal; (E) crotonaldehyde | 4170-30-3 123-73-9 | 224-030-0 204-647-1 | --- | 2 | --- | --- |
| 1-Butoxy-2,3-epoxypropane | 2426-08-6 | 219-376-4 | 2 | 1B* 2 | --- | --- |
| 1-tert-Butoxy-2,3-epoxypropane | 7665-72-7 | 231-640-0 | --- | 2* | --- | --- |
| 4-tert-Butylbenzoic acid (618/2012) | 98-73-7 | 202-696-3 | | | | 1B |
| 2-(4-tert-Butylbenzyl)propionaldehyde (2020/1182) | 80-54-6 | 201-289-8 | | | 2 | 1B |

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|---|-------------|----------------|----------|-----|----------------|----------------|
| 4'-tert-Butyl-2',6'-dimethyl-3',5'-dinitroacetophenone, Musk Ketone (790/2009) | 81-14-1 | 201-328-9 | 2 | --- | --- | --- |
| Tert-Butyl hydroperoxide (2016/1179) | 75-91-2 | 200-915-7 | | 2 | | |
| 4-tert-Butyl phenol (2018/1480) | 98-54-4 | 202-679-0 | | | | 2 |
| 2-(4-tert-Butyl phenyl)ethanol | 5406-86-0 | 410-020-5 | | | | 2 |
| Musk xylene; 5-tert-Butyl-2,4,6-trinitro-m-xylol | 81-15-2 | 201-329-4 | 2 | --- | --- | --- |
| 2-Butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one (790/2009) | 94723-86-1 | 425-150-8 | | | | 1B |
| 5-(3-Butyryl-2,4,6-trimethyl phenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one | 138164-12-2 | 414-790-3 | | | 2 | 2 |
| Cadmium | 7440-43-9 | 231-152-8 | 1B | 2 | 2 | 2 |
| Cadmium carbonate (2017/776) | 513-78-0 | 208-168-9 | 1B | 1B | | |
| Cadmium chloride | 10108-64-2 | 233-296-7 | 1B | 1B | 1B | 1B |
| Cadmium cyanide | 542-83-6 | 208-829-1 | 1B* 2 | | | |
| Cadmium fluoride | 7790-79-6 | 232-222-0 | 1B | 1B | 1B | 1B |
| Cadmium formiate | 4464-23-7 | 224-729-0 | 1B* 2 | | | |
| Cadmium hexafluorosilicate | 17010-21-8 | 241-084-0 | 1B* 2 | | | |
| Cadmium hydroxide; Cadmium dihydroxide (2017/776) | 21041-95-2 | 244-168-5 | 1B | 1B | | |
| Cadmium iodide | 7790-80-9 | 232-223-6 | 1B* 2 | | | |
| Cadmium nitrate; Cadmium dinitrate (2017/776) | 10325-94-7 | 233-710-6 | 1B | 1B | | |
| Cadmium oxide | 1306-19-0 | 215-146-2 | 1B | 2 | 2 | 2 |
| Cadmium sulphate | 10124-36-4 | 233-331-6 | 1B | 1B | 1B | 1B |
| Cadmium sulphide | 1306-23-6 | 215-147-8 | 1B | 2 | 2 | 2 |
| Cadmium compounds, except those specified by name (in the form of respirable dusts/aerosols). | | | 1B* | | | |
| Calcium chromate | 13765-19-0 | 237-366-8 | 1B | | | |
| Calcium salicylates (branched C10-14 and C18-30 alkylated), calcium phenates (branched C10-14 and C18-30 alkylated), sulphurised calcium phenates (branched C10-14 and C18-30 alkylated), reaction mass of (790/2009) | | 415-930-6 | | | | 2 |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|------------|----------------|-------------|-----|----------------|----------------|
| Camphechlor (ISO); toxaphene; chlorinated camphene | 8001-35-2 | 232-283-3 | 2 | | | |
| Captafol (ISO); 1,2,3, 6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio) phthalimide | 2425-06-1 | 219-363-3 | 1B | | | |
| Captan (ISO); 1,2,3, 6-tetrahydro-N-(trichloromethylthio)phthalimide (790/2009) | 133-06-2 | 205-087-0 | 2 | | | |
| Carbadox (INN); methyl-3-(chinoxaline-2-ylmethylene)carbazate-1,4-dioxide; 2-(methoxycarbonyl hydrazonomethyl) chinoxaline-1,4- dioxide | 6804-07-5 | 229-879-0 | 1B | | | |
| Carbaryl (ISO); 1-naphthyl methylcarbamate (790/2009) | 63-25-2 | 200-555-0 | 2 | | | |
| Carbendazim (ISO); Methyl benzimidazol-2-ylcarbamate (2021/849) | 10605-21-7 | 234-232-0 | | 1B | 1B | 1B |
| Carbetamide (ISO); (R)-1-(ethylcarbamoyl)ethylcarbanilate; (2R)-1- (ethylamino)-1-oxopropan-2-ylphenylcarbamate (2017/776) | 16118-49-3 | 240-286-6 | 2 | | 1B | |
| Carbon disulphide | 75-15-0 | 200-843-6 | | | 2 | 2 |
| Carbon monoxide | 630-08-0 | 211-128-3 | | | 1A | |
| [μ-[Carbonato(2-)-O:O']]dihydroxytrinickel see: Nickel carbonate (790/2009) | 65405-96-1 | 265-748-4 | | | | |
| [Carbonato(2-)]tetrahydroxytrinickel see: Nickel carbonate (790/2009) | 12607-70-4 | 235-715-9 | | | | |
| 4,4'-Carbonimidoylbis(N,N-dimethylaniline) | 492-80-8 | 207-762-5 | 1B* 2 | 2* | --- | --- |
| 4,4'-Carbonimidoylbis(N,N-dimethylaniline), production of (see below, TRGS 906) | | | | | | |
| 4,4'-Carbonimidoylbis(N,N-dimethylaniline), salts of (except hydrochloride) | | | 2 | | | |
| 4,4'-Carbonimidoyl bis(N,N-dimethylaniline)-hydrochloride | 2465-27-2 | 219-567-2 | 1B* 2 | 2* | --- | --- |
| N-Carboxymethyliminobis(ethylene nitrilo)-tetraacetic acid (2022/692) | # 67-43-6 | 200-652-8 | | | 1B | |
| Ceramic mineral fibres, refractory (790/2009) Special purpose fibres; [artificially produced non-directional vitreous (silicate) fibres containing less than or equal to 18% by weight of alkali metal and alkaline earth metal oxides (Na ₂ O+K ₂ O+CaO+MgO+ BaO)]. (Classification depends on the fulfilment of certain criteria, see TRGS 905 or 790/2009) | | | 1B H350i | | | |
| 2-Chloroacetaldehyde | 107-20-0 | 203-472-8 | 2 | --- | --- | --- |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|------------------------|------------------------|-----|-----|----------------|----------------|
| 2-Chloracetamide | 79-07-2 | 201-174-2 | --- | --- | --- | 2 |
| Chloroalkanes, C10-13, C11-13 (790/2009) | 85535-84-8 | 287-476-5 | 2 | | | |
| cis-1-(3-Chlorallyl)-3,5,7-triaza-1-azoniaadamantan chloride (790/2009) | 51229-78-8 | 426-020-3 | | | 2 | |
| 4-Chloraniline | 106-47-8 | 203-401-0 | 1B | | | |
| 4-Chlorobenzotrichloride | 5216-25-1 | 226-009-1 | 1B | --- | --- | 2 1B* |
| 2-Chloro-1,3-butadiene | 126-99-8 | 204-818-0 | 1B | --- | --- | --- |
| Chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane | 57-74-9 | 200-349-0 | 2 | | | |
| Chlordecone (ISO); decachloropentacyclo(5,2,1,02,6,03,9,05,8)decan-4-one | 143-50-0 | 205-601-3 | 2 | | | |
| 5-Chloro-1,3-dihydro-2H-indol-2-one | 17630-75-0 | 412-200-9 | | | | 2 |
| Chlordimeform (ISO); N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine | 6164-98-3 | 228-200-5 | 2 | | | |
| Chlorodimeform hydrochloride | 19750-95-9 | 243-269-1 | 2 | | | |
| Chlorine-N,N-dimethylformiminium chloride (790/2009) | 3724-43-4 | 425-970-6 | | | 1B | |
| 1-Chloro-2,3-epoxypropane | 106-89-8 51594-55-9 | 203-439-8 424-280-2 | 1B | | | |
| Chlorethane | 75-00-3 | 200-830-5 | 2 | | | |
| Chloro-1-ethylcyclohexyl carbonate (790/2009) | 99464-83-2 | 444-950-8 | | 2 | | |
| (2-Chloroethyl)(3-hydroxypropyl) ammonium chloride (790/2009) | 40722-80-3 | 429-740-6 | 1B | 1B | | |
| 6-(2-Chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane | 37894-46-5 | 253-704-7 | | | 1B | |
| 3-Chloro-4-(3-fluorobenzyloxy)aniline | 202197-26-0 | 445-590-4 | | 2 | | |
| Chlorofluoromethane | 593-70-4 | 209-803-2 | 1B* | | | |
| 2-Chloro-6-fluoro-phenol (790/2009) | 2040-90-6 | 433-890-8 | | 1B | | 2 |
| (3-Chloro-2-hydroxypropyl) trimethyl ammonium chloride (790/2009) | 3327-22-8 | 222-048-3 | 2 | --- | --- | --- |
| Chloromethane | 74-87-3 | 200-817-4 | 2 | | | |
| Chloromethyl methyl ether | 107-30-2 | 203-480-1 | 1A | | | |
| (5-Chloro-2-methoxy-4-methyl-3-pyridyl)(4,5,6-trimethoxy-o-tolyl) methanone; pyriofenone (2021/849) | 688046-61-9 | 692-456-8 | 2 | | | |
| 3-Chloro-2-methyl propene | 563-47-3 | 209-251-2 | 2* | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------|----------------|-------------|-----|----------------|----------------|
| 1-Chloro-2-nitrobenzene | 88-73-3 | 201-854-9 | 2* | --- | --- | 2* |
| 1-Chloro-4-nitrobenzene | 100-00-5 | 202-809-6 | 2 | 2 | --- | --- |
| Chlorphacinone (ISO); 2-[(4-chlorophenyl)(phenyl)acetyl]-1H-inden-1,3(2H)-dione (2016/1179) | 3691-35-8 | 223-003-0 | | | 1B | |
| 1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol (2015/1221) | 107534-96-3 | 403-640-2 | | | 2 | |
| 3-(4-Chlorophenyl)-1,1-dimethyluronium trichloroacetate | 140-41-0 | 620-358-7 | 2 | | | |
| (2RS, 3SR)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane, see: Epoxiconazole (ISO) | | | | | | |
| 4-[(3-Chlorophenyl)(1H-imidazol-1-yl)methyl]-1,2-benzene diamin dihydrochloride (790/2009) | 159939-85-2 | 425-030-5 | | | | 2 |
| ((3-Chlorophenyl)-(4-methoxy-3-nitrophenyl) methanone | 66938-41-8 | 423-290-4 | | 2 | | |
| 3-Chloropropene | 107-05-1 | 203-457-6 | 2 | 2 | | |
| Chlorpropham (ISO); isopropyl 3-chlorocarbanilate (790/2009) | 101-21-3 | 202-925-7 | 2 | | | |
| Chlorothalonil (ISO); tetrachloroisophthalonitrile (790/2009) | 1897-45-6 | 217-588-1 | 2 | | | |
| 4-Chloro-o-toluidine | 95-69-2 | 202-441-6 | 1A* 1B | 2 | | |
| 4-Chloro-o-toluidine, hydrochloride | 3165-93-3 | 221-627-8 | 1A* 1B | 2 | | |
| 5-Chloro-o-toluidine | 95-79-4 | 202-452-6 | 2* | | | |
| Chlorophene; 2-benzyl-4-chlorophenol (2017/776) | 120-32-1 | 204-385-8 | 2 | | | 2 |
| α-Chlorotoluene mixture | | | 1A* | | | |
| α-Chlorotoluene | 100-44-7 | 202-853-6 | 1B | 2* | 2* | --- |
| Chlortoluron | 15545-48-9 | 239-592-2 | 2 | | 2 | |
| Chlozolate (ISO); ethyl-(RS)-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxo-oxazolidine-5-carboxylate | 84332-86-5 | 282-714-4 | 2 | | | |
| Chromium(III) chromate | 24613-89-6 | 246-356-2 | 1B | | | |
| Chromium oxychloride | 14977-61-8 | 239-056-8 | 1B H350i | 1B | | |
| Chrome trioxide | 1333-82-0 | 215-607-8 | 1A | 1B | | 2 |
| Chromium (VI) compounds, with the exception of barium chromate and those specified by name | | | 1B H350i | | | |
| Chrysene | 218-01-9 | 205-923-4 | 1B | 2 | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|----------------------|----------------|-------------|-----|----------------|----------------|
| Chrysoidine; 4-(phenylazo)benzene-1,3-diamine (790/2009) | 495-54-5 | 207-803-7 | --- | 2 | | |
| Chrysoidine monohydrochloride; 4-phenylazo-phenylene-1,3-C | 532-82-1 | 208-545-8 | | | | |
| Chrysoidine monoacetate; | 75660-25-2 | 278-290-5 | | | | |
| 4-(phenylazo)benzene-1,3-diamine monoacetate chrysoidine acetate; | 79234-33-6 | 279-116-0 | | | | |
| 4-(phenylazo)benzene-1,3-diamine acetate chrysoidine-p-dodecylbenzenesulphonate; | 63681-54-9 | 264-409-8 | | 2 | | |
| dodecylbenzenesulphonic acid, compound with 4-(phenylazo)benzene-1,3-diamine (1:1) | 83968-67-6 | 281-549-5 | | | | |
| chrysoidine dihydrochloride; | 84196-22-5 | 282-432-1 | | | | |
| 4-(phenylazo)benzene-1,3-diamine dihydrochloride chrysoidine sulphate; bis[4-(phenylazo)benzene-1,3-diamine] sulphate (790/2009) | | | | | | |
| Chrysoidine C10-14-alkyl derivatives; benzenesulphonic acid, mono-C10-14-alkyl derivatives, derivatives with 4-compounds with 4-(phenylazo)-1,3-benzenediamine | 85407-90-5 | 286-946-7 | | | | |
| chrysoidine, chrysoidine, compound with dibutyl-naphthalenesulphonic acid; | 94247-67-3 | 304-236-8 | | 2 | | |
| dibutyl-naphthalenesulphonic acid, compound with 4-(phenylazo)benzene-1,3-diamine (1:1) (790/2009) | | | | | | |
| C.I. Basic Red 9; 4,4'-(4-iminocyclohexa-2,5-dienylidene)methylene)dianiline hydrochloride | 569-61-9 | 209-321-2 | 1B | --- | --- | --- |
| C.I. Basic Violet 3; 4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride; Crystal Violet | 548-62-9 | 208-953-6 | 2 | --- | --- | --- |
| C.I. Basic Violet 3 with ≥ 0.1% Michler's ketone (EC No 202- 027-5) | 548-62-9 | 208-953-6 | 1B | | | |
| C.I. Direct Blue 218 | 73070-37-8 | 277-272-4 | 2* | --- | --- | --- |
| Cinidonethyl (ISO); ethyl-(Z)-2-chloro-3-[2-chloro-5-(cyclohex-1-ene-1,2-dicarboximido)phenyl]acrylate (790/2009) | 142891-20-1 | 604-318-6 | 2 | | | |
| Cobalt, metal (2020/217) | 7440-48-4 | 231-158-0 | 1B | 2 | | 1B |
| Cobalt (II) acetate (790/2009) | 71-48-7 6147-53-1 | 200-755-8 | 1B H350i | 2 | --- | 1B |
| Cobalt carbonate (790/2009) | 513-79-1 | 208-169-4 | 1B H350i | 2 | --- | 1B |
| Cobalt dichloride (790/2009) | 7646-79-9 | 231-589-4 | 1B H350i | 2 | --- | 1B |
| Cobalt lithium nickel oxide (790/2009) | | 442-750-5 | 1A H350i | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|--|-------------------------------------|-------------|-----|----------------|----------------|
| Cobalt-nickel-gray-periclase; C.I. black pigment 25; C.I. 77332 cobalt nickel dioxide cobalt nickel oxide (790/2009) | 68186-89-0 58591-45-0 12737-30-3 | 269-051-6 261-346-8 620-395-9 | 1A H350i | | | |
| Cobalt nitrate (790/2009) | 10141-05-6 | 233-402-1 | 1B H350i | 2 | --- | 1B |
| Cobalt oxide (in the form of respirable dusts/aerosols) | 1307-96-6 | 215-154-6 | 2* | --- | --- | --- |
| Cobalt sulphate (790/2009) | 10124-43-3 | 233-334-2 | 1B H350i | 2 | --- | 1B |
| Cobalt sulphide (in the form of respirable dusts/aerosols) | 1317-42-6 | 215-273-3 | 2* | --- | --- | --- |
| Cobalt compounds (in the form of respirable dusts/aerosols), except those specified by name, as well as cobalt-containing spinels and organic cobalt siccatives. | | | 2* | --- | --- | --- |
| Colchicine; 7-acetamido-1,2,3,10-tetramethoxy-5,6,7,9-tetrahydrobenzo[a]heptalen-9-one (790/2009) | 64-86-8 | 200-598-5 | | 1B | | |
| Coumatetralyl (ISO); 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin (2016/1179) | 5836-29-3 | 227-424-0 | | | 1B | |
| Cristobalite (see below, TRGS 906) | 14464-46-1 | 238-455-4 | | | | |
| Cumene (2022/692) | # 98-82-8 | 202-704-5 | 1B | | | |
| Cyanamide; carbamonitrile (2017/776) | 420-04-2 | 206-992-3 | 2 | | 2 | 2 |
| 4-cyan-2,6-diiodophenyl octanoate | 3861-47-0 | 223-375-4 | | | 2 | |
| Cymoxanil (ISO); 2-cyan-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (605/2014) | 57966-95-7 | 261-043-0 | | | 2 | 2 |
| Cycloheximide | 66-81-9 | 200-636-0 | | 2 | 1B | |
| Cyclohexylamine (790/2009) | 108-91-8 | 203-629-0 | | | | 2 |
| N-cyclohexyl-N-methoxy-2,5-dimethyl-3-furamide | 60568-05-0 | 262-302-0 | 2 | | | |
| trans-4-Cyclohexyl-L-proline monohydrochloride | 90657-55-9 | 419-160-1 | | | | 2 |
| 1-Cyclopropyl-6,7-difluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid | 93107-30-3 | 413-760-7 | | | | 2 |
| Cycloxydim (ISO); 2-(ethoxybutanimidoyl)-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)cyclohex-2-en-1-one (605/2014) | 101205-02-1 | 405-230-9 | | | 2 | |
| Cyfluthrin (ISO); α-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (2022/692) | # 68359-37-5 | 269-855-7 | | | Lact. | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|------------------------|------------------------|-------------|---|----------------|----------------|
| beta-Cyfluthrin (ISO); reaction mass of rel-(R)-cyan(4-fluoro-3-phenoxyphenyl)-methyl-(1S,3S)-3-(2,2-dichlorethenyl)-2,2-dimethylcyclopropane-1-carboxylate and rel-(R)-cyan(4-fluoro-3-phenoxyphenyl)-methyl-(1S,3R)-3-(2,2-dichlorethenyl)-2,2-dimethylcyclopropane-1-carboxylate (2022/692) | # 1820573-27-0 | - | | | Lact. | |
| Cyflumetofen (ISO); 2-methoxyethyl (RS)-2-(4-tert-butylphenyl)-2-cyano-3-oxo-3-(α,α,α-trifluoro-o-tolyl)propionate (2020/217) | 400882-07-7 | 642-974-5 | 2 | | | |
| Cyproconazole (ISO); (2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butane-2-ol (2017/776) | 94361-06-5 | 619-020-1 | | | 1B | |
| Daminozide (ISO); 4-(2,2-dimethylhydrazino)-4-oxobutanoic acid; N-dimethylaminosuccinamic acid (2022/692) | # 1596-84-5 | 216-485-9 | 2 | | | |
| DDT (ISO); Clofenotane (INN); Dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)-ethane; dichlorodiphenyltrichlorethane | 50-29-3 | 200-024-3 | 2 | | | |
| Desmedipham (ISO); ethyl-3-phenylcarbamoyloxyphenylcarbamate (2021/849) | 13684-56-5 | 237-198-5 | | | 2 | |
| N,N'-Diacetylbenzidine (790/2009) | 613-35-4 | 210-338-2 | 1B | 2 | | |
| Diallate (ISO); S-(2,3-dichloroallyl)-N,N-diisopropylthiocarbamate | 2303-16-4 | 218-961-1 | 2 | | | |
| 2, 4-Diaminoanisole; 4-Methoxy-m-phenylenediamine 2, 4-Diaminoanisole sulphate | 615-05-4 39156-41-7 | 210-406-1 254-323-9 | 1B | 2 | | |
| 3,3'-Diaminobenzidine (790/2009) | 91-95-2 | 202-110-6 | 1B | 2 | | |
| 3,3'-Diaminobenzidine, salts of | | | 2* | | | |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | 202-974-4 | 1B | 2 | | |
| Diammonium-1-hydroxy-2-(4-(4-carboxyphenylazo)-2,5-dimethoxyphenylazo)-7-amino-3-naphthalene sulphonate (790/2009) | 150202-11-2 | 422-670-7 | | | | 2 |
| Diammonium nickel hexacyanoferrate (790/2009) | 74195-78-1 | | 1A H350i | | | |
| Diantimony trioxide | 1309-64-4 | 215-175-0 | 2 | | | |
| Diarsenic pentaoxide | 1303-28-2 | 215-116-9 | 1A | | | |
| Diarsenic trioxide | 1327-53-3 | 215-481-4 | 1A | | | |
| Diazomethane | 334-88-3 | 206-382-7 | 1B | | | |
| Dibenz[a,h]anthracene (790/2009) | 53-70-3 | 200-181-8 | 1B | | | |
| Dibenzo[b,def]chrysene; dibenzo[a,h]pyrene (2020/217) | 189-64-0 | 205-878-0 | 1B | 2 | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------|----------------|----------|-----|----------------|----------------|
| Dibenzo[def,p]chrysene; dibenzo[a,l]pyrene (2020/1182) | 191-30-0 | 205-886-4 | 1B | 2 | | |
| Dibor trioxide (790/2009) | 1303-86-2 | 215-125-8 | | | 1B | 1B |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 202-479-3 | 1B | 1B | --- | 1A |
| 2,6-Dibromo-4-cyanophenyl octanoate | 1689-99-2 | 216-885-3 | | | 2 | |
| 1,2-Dibromomethane | 106-93-4 | 203-444-5 | 1B | | | |
| 2,2-Dibromo-2-nitroethanol | 69094-18-4 | 412-380-9 | 2 | | | |
| 2,3-Dibromopropan-1-ol | 96-13-9 | 202-480-9 | 1B | --- | --- | 2 |
| Dibutylbis(pentane-2,4-dionato-O,O')tin (2020/217) | 22673-19-4 | 245-152-0 | | | 1B | 1B |
| Di-tert-butyl peroxide (618/2012) | 110-05-4 | 203-733-6 | | 2 | | |
| Dibutyl phthalate; DBP | 84-74-2 | 201-557-4 | --- | --- | 1B | 1B* 2 |
| Dibutyltin bis(2-ethylhexanoate) (2022/692) | # 2781-10-4 | 220-481-2 | | 2 | 1B | 1B |
| Dibutyltin di(acetate) (2022/692) | # 1067-33-0 | 213-928-8 | | 2 | 1B | 1B |
| Dibutyltin dichloride (790/2009) | 683-18-1 | 211-670-0 | | 2 | 1B | 1B |
| Dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane (2017/776) | 77-58-7 | 201-039-8 | | 2 | 1B | 1B |
| Dibutyltin hydrogen borate (790/2009) | 75113-37-0 | 401-040-5 | | 2 | 1B | 1B |
| Dichloroacetylene | 7572-29-4 | 620-404-6 | 1B* 2 | | | |
| 3,3'-Dichlorobenzidine | 91-94-1 | 202-109-0 | 1B | | | |
| 3,3'-Dichlorobenzidine, salts of | | | 1B | | | |
| 1,4-Dichlorobenzene | 106-46-7 | 203-400-5 | 2 | --- | | |
| 2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[1[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-N-(2-methylphenyl)-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[1[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-N-(2-carboxylphenyl)-3-oxo-butanamide, reaction mass of (790/2009) | | 434-330-5 | 2 | | | |
| 1,4-Dichlorobut-2-ene | 764-41-0 | 212-121-8 | 1B | | | |
| 2,2'-Dichlorodiethyl ether (790/2009) | 111-44-4 | 203-870-1 | 2 | | | |
| 2,2'-Dichlorodiethyl sulphide (TRGS 905 No. 4) | 505-60-2 | 684-527-7 | 1A* | | | |
| 3,5-Dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide | 23950-58-5 | 245-951-4 | 2 | | | |
| Dichlorodioctyl stannane (2020/1182) | 3542-36-7 | 222-583-2 | | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|------------|----------------|-----|-----|----------------|----------------|
| 1,2-Dichloroethane | 107-06-2 | 203-458-1 | 1B | | | |
| 1,1-Dichloroethane | 75-35-4 | 200-864-0 | 2 | | | |
| Dichloromethane | 75-09-2 | 200-838-9 | 2 | | | |
| 1,2-Dichloromethoxyethane | 41683-62-9 | 255-500-3 | --- | 2* | --- | --- |
| 2,2'-Dichloro-4,4'-methylene dianiline | 101-14-4 | 202-918-9 | 1B | | | |
| 2,2'-Dichloro-4,4'-methylene dianiline, salts of | | | 1B | | | |
| 3-(3,5-Dichlorophenyl)-2,4-dioxo-N-isopropyl imidazolidine-1-carboxamide | 36734-19-7 | 253-178-9 | 2 | | | |
| 1,2-Dichloropropane (2016/1179) | 78-87-5 | 201-152-2 | 1B | --- | --- | --- |
| 1,3-Dichloro-2-propanol | 96-23-1 | 202-491-9 | 1B | | | |
| 1,3-Dichloropropene (cis- and trans-) | 542-75-6 | 208-826-5 | 1B* | 2* | --- | --- |
| 2,3-Dichloropropene | 78-88-6 | 201-153-8 | | 2 | | |
| α,α-Dichlorotoluene | 98-87-3 | 202-709-2 | 2 | | | |
| 2,2-Dichloro-1,1,1-trifluoroethane | 306-83-2 | 206-190-3 | 2* | --- | --- | --- |
| Dicyclohexyl nitrosamine | 947-92-2 | | --- | 2* | --- | --- |
| Dicyclohexyl phthalate (2016/1179) | 84-61-7 | 201-545-9 | | | 1B | |
| Dieldrin (ISO) | 60-57-1 | 200-484-5 | 2 | | | |
| 1,2,3,4-Diepoxybutane | 1464-53-5 | 215-979-1 | 1B | 1B | --- | 2* |
| Diesel engine emissions (see below, TRGS 906) | | | 1B* | | | |
| Diester of 4,4'-methylene bis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethyl phenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulphonic acid (1:2) and triester of 4,4'-methylene bis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethyl phenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulphonic acid (1:3), reaction mass of (790/2009) | | 427-140-9 | 2 | | | |
| Diethanolamine perfluorooctane sulphonate, see: Perfluorooctane sulphonic acid | | | | | | |
| 1,2-diethoxyethane (790/2009) | 629-14-1 | 211-076-1 | | | 1B | 2 |
| Diethylcarbamic acid chloride | 88-10-8 | 201-798-5 | 2 | | | |
| Diethylene glycol monomethyl ether; 2-(2-methoxyethoxy)-ethanol (2022/692) | # 111-77-3 | 203-906-6 | | | 1B | |
| Diethyl sulphate | 64-67-5 | 200-589-6 | 1B | 1B | | |
| Difenacoum (ISO); 3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin (2016/1179) | 56073-07-5 | 259-978-4 | | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|-------------|----------------|-----|-----|----------------|----------------|
| Difethialone (ISO); 3-[3-(4'-brombiphenyl-4-yl)-1,2,3,4-tetrahydronaphthalene-1-yl]-4-hydroxy-2H-1-benzothiopyrane-2-on (2016/1179) | 104653-34-1 | 600-594-7 | | | 1B | |
| 1,1-Difluorethene | 75-38-7 | 200-867-7 | 2* | | | |
| 3-(Difluormethyl)-1-methyl-N-(3',4',5'-trifluorbiphenyl-2-yl)pyrazol-4-carboxamide; Fluxapyroxad (2020/1182) | 907204-31-3 | 620-041-3 | | | Lact. | |
| Diglycidyl ether | 2238-07-5 | 218-802-6 | 2* | | | |
| N,N'-Dihexadecyl-N,N'-bis(2-hydroxy ethyl) propandiamide | 149591-38-8 | 422-560-9 | | | | 2 |
| Dihexyl phthalate (944/2013) | 84-75-3 | 201-559-5 | | | 1B | 1B |
| N-[6,9-Dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1H-purine-2-yl]acetamide (790/2009) | 84245-12-5 | 424-550-1 | 1B | 1B | 1B | 1B |
| (S)-2,3-Dihydro-1H-indole-2-carboxylic acid | 79815-20-6 | 410-860-2 | | | | 2 |
| 1,2-Dihydroxybenzene (2018/1480) | 120-80-9 | 204-427-5 | 1B | 2 | | |
| 1,4-Dihydroxybenzene (790/2009) | 123-31-9 | 204-617-8 | 2 | 2 | --- | --- |
| 4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone | 114565-66-1 | 406-057-1 | 2 | | | |
| Diisobutyl phthalate (2016/1179) | 84-69-5 | 201-553-2 | | | 1B | 2 |
| 2,4-Diisocyanate toluene | 584-84-9 | 209-544-5 | 2 | | | |
| 2,6-Diisocyanate toluene | 91-08-7 | 202-039-0 | 2 | | | |
| Diisohexyl phthalate (2020/217) | 71850-09-4 | 276-090-2 | | | 1B | 1B |
| Diisooctyl phthalate (2020/1182) | 27554-26-3 | 248-523-5 | | | 1B | 1B |
| Diisopropanol amine with formaldehyde (1:4) (790/2009), reaction products of | 220444-73-5 | 432-440-8 | 2 | | | |
| Dimethomorph (ISO); (E,Z)-4-(3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl)morpholine (2021/849) | 110488-70-5 | 404-200-2 | | | | 1B |
| 3,3'-Dimethoxybenzidine | 119-90-4 | 204-355-4 | 1B | | | |
| 3,3'-Dimethoxybenzidine, salts of | | | 1B | | | |
| 1,2-Dimethoxyethane | 110-71-4 | 203-794-9 | --- | --- | 1B | 1B |
| N,N-Dimethyl acetamide (2016/1179) | 127-19-5 | 204-826-4 | | | 1B | 2* |
| (E)-3-[1-[4-[2-(Dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol (790/2009) | 82413-20-5 | 428-010-4 | 2 | | | 1B |
| N,N-(Dimethylamino)thioacetamide-hydrochloride (790/2009) | 27366-72-9 | 435-470-1 | | | 1B | |
| N,N-Dimethylaniline | 121-69-7 | 204-493-5 | 2 | --- | --- | --- |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|---------------------------|------------------------|----|----|----------------|----------------|
| N,N-Dimethylanilinium tetrakis (pentafluorophenyl) borate | 118612-00-3 | 422-050-6 | 2 | | | |
| 3,3'-Dimethyl benzidine | 119-93-7 | 204-358-0 | 1B | | | |
| 3,3'-Dimethyl benzidine, salts of | | | 1B | | | |
| Dimethyl carbamoyl chloride | 79-44-7 | 201-208-6 | 1B | | | |
| N,N-Dimethyl formamide | 68-12-2 | 200-679-5 | | | 1B | |
| 1,2-Dimethyl hydrazine | 540-73-8 | | 1B | | | |
| N,N-Dimethyl hydrazine | 57-14-7 | 200-316-0 | 1B | | | |
| Dimethyl hydrogen phosphite | 868-85-9 | 212-783-8 | 2* | | | |
| Dimethyl(2-(hydroxymethylcarbamoyl) ethyl) phosphonate, diethyl(2-(hydroxymethylcarbamoyl) ethyl) phosphonate and methyl ethyl(2-(hydroxymethyl carbamoyl) ethyl) phosphonate, reaction mass of (790/2009) | | 435-960-3 | 1B | 1B | | |
| 3,7-Dimethylocta-2,6-diennitrile (2016/1179) | 5146-66-7 | 225-918-0 | | 1B | | |
| 2,2-Dimethylpropan-1-ol, tribromo derivative; 3-bromo-2,2-bis(bromomethyl)-propan-1-ol (2022/692) | # 36483-57-5 1522-92-5 | 253-057-0 622-370-8 | 1B | 2 | | |
| Dimethylsulphamoyl chloride | 13360-57-1 | 236-412-4 | 1B | | | |
| Dimethyl sulphate | 77-78-1 | 201-058-1 | 1B | 2 | | |
| Dimethyl tin dichloride (605/2014) | 753-73-1 | 212-039-2 | | | 2 | |
| Dimoxystrobin (ISO); (2E)-2-[2-[(2,5-dimethylphenoxy)-methyl]-phenyl]-2-(methoxyimino)-N-methyl acetamide; (E)-2-(methoxyimino)-N-methyl-2-[α-(2,5-xilyloxy)-o-tolyl]-acetamide | 149961-52-4 | 604-712-8 | 2 | | 2 | |
| Disodium-4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate | 1937-37-7 | 217-710-3 | 1B | | 2 | |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) | 573-58-0 | 209-358-4 | 1B | | 2 | |
| Disodium-[5-[(4'-((2,6-dihydroxy-3-((2-hydroxy-5-sulphophenyl)azo)phenyl)azo)(1,1'-biphenyl)-4-yl)azo]salicylato(4-)]cuprate(2-) | 16071-86-6 | 240-221-1 | 1B | | | |
| Disodium-4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulphonatophenyl)pyrazol-4-yl)penta-2,4-dienyliden)-4,5-dihydro-5-oxopyrazol-1-yl)benzene-sulphonate and Trisodium-4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulphonatophenyl)pyrazol-4-yl)penta-2,4-dienyliden)-4,5-dihydro-5-oxopyrazol-1-yl)benzene-sulphonate, reaction mass of | | 402-660-9 | | | 1B | |
| Disodium octaborate anhydrous Disodium octaborate tetrahydrate (2016/1179) | 12008-41-2 12280-03-4 | 234-541-0 234-541-0 | | | 1B | 1B |
| Dinickel diphosphate, see: Nickel hydrogen phosphate | | | | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|-------------------------|------------------------|-------------|---|----------------|----------------|
| Dinickel hexacyanoferrate (790/2009) | 14874-78-3 | 238-946-3 | 1A H350i | | | |
| Dinickel trioxide (790/2009) | 1314-06-3 | 215-217-8 | 1A H350i | | | |
| Dinitronaphthalenes, all isomers | 27478-34-8 | 248-484-4 | 2* | | | |
| 2,3-Dinitrotoluene | 602-01-7 | 210-013-5 | 1B | 2 | | 2 |
| 2,4-Dinitrotoluene (790/2009) | 121-14-2 | 204-450-0 | 1B | 2 | | 2 |
| 2,5-Dinitrotoluene | 619-15-8 | 210-581-4 | 1B | 2 | | 2 |
| 2,6-Dinitrotoluene | 606-20-2 | 210-106-0 | 1B | 2 | | 2 |
| 3,4-Dinitrotoluene | 610-39-9 | 210-222-1 | 1B | 2 | | 2 |
| 3,5-Dinitrotoluene | 618-85-9 | 210-566-2 | 1B | 2 | | 2 |
| Dinitrotoluenes, (technical mixtures of isomers) (790/2009) | 25321-14-6 | 246-836-1 | 1B | 2 | --- | 2 |
| Dinocap (ISO); (RS)-2,6-dinitro-4-octyl phenyl crotonate and (RS)-2,4-dinitro-6-octyl phenyl crotonate, where "octyl" is a reaction mass of 1-methyl heptyl, 1-ethyl hexyl and 1-propyl pentyl groups. (790/2009) | 39300-45-3 | 254-408-0 | | | 1B | |
| Dinoseb (ISO); 6-sec-butyl-2,4-dinitrophenol | 88-85-7 | 201-861-7 | | | 1B | 2 |
| Dinoseb, salts and esters, with the exception of those specified by name | | | | | 1B | 2 |
| Dinoterb (ISO); 2-tert-butyl-4,6-dinitrophenol | 1420-07-1 | 215-813-8 | | | 1B | |
| Dinoterb, salts and esters of | | | | | 1B | |
| Diocetyl tin dilaurate Diocetyl, bis(coco-acyloxy)-stannan derivatives (2020/1182) | 3648-18-8 91648-39-4 | 222-883-3 293-901-5 | | | 1B | |
| 1,4-Dioxane (2021/849) | 123-91-1 | 204-661-8 | 1B | | | |
| Diphenylguanidine | 102-06-7 | 203-002-1 | | | | 2 |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (618/2012) | 75980-60-8 | 278-355-8 | | | | 2 |
| Diphosphoric acid, nickel(II) salt, see: Nickel hydrogen phosphate | | | | | | |
| Diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea (790/2009) | 330-54-1 | 206-354-4 | 2 | | | |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol; [DBMK] (2021/849) | 119-47-1 | 204-327-1 | | | | 1B |
| DNOC (ISO); 4,6-Dinitro-o-cresol | 534-52-1 | 208-601-1 | | 2 | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|---|--|----------|-----|----------------|----------------|
| Dodecachlorpentacyclo[5.2.1.0 ^{2,6} .0 ^{3,9} .0 ^{5,8}]decan | 2385-85-5 | 219-196-6 | 2 | | 2 Lact. | 2 |
| Dodemorph (ISO) (2015/1221); 4-cyclododecyl-2,6-dimethylmorpholine | 1593-77-7 | 216-474-9 | | | 2 | |
| Dodemorph acetate; 4-cyclododecyl-2,6-dimethylmorpholine-4-iumacetate (2015/1221) | 31717-87-0 | 250-778-2 | | | 2 | |
| Drugs, carcinogenic (see TRGS 905) | | | | | | |
| Epoxiconazole (ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4- triazol-1-yl)methyl]oxirane (944/2013) | 133855-98-8 | 406-850-2 | 2 | | 1B | 2 |
| 1,2-Epoxybutane (2015/1221) | 106-88-7 | 203-438-2 | 1B* 2 | | | |
| 7-oxa-3-oxiranyl bicyclo [4.1.0]heptane; 1,2-Epoxy-4-epoxy ethyl cyclohexane; 4-vinyl cyclohexene diepoxide (2021/849) | 106-87-6 | 203-437-7 | 1B | 2 | | 1B |
| 1,2-Epoxy-3-phenoxypropane | 122-60-1 | 204-557-2 | 1B | 2 | | |
| 2,3-Epoxy-1-propanol R-2,3-Epoxy-1-propanol | 556-52-5 57044-25-4 | 209-128-3 404-660-4 | 1B | 2 | --- | 1B |
| 2,3-Epoxypropyl methacrylate; glycidyl methacrylate (2017/776) | 106-91-2 | 203-441-9 | 1B | 2 | | 1B |
| [(p-tolyloxy)methyl]oxirane; [2,3-Epoxypropyl-p-tolyloxy]ether [(m-tolyloxy)methyl]oxirane 2,3-epoxypropyl-o-tolyl ether [(tolyloxy)methyl]oxirane; cresyl glycidyl ether | 2186-24-5 2186-25-6 2210-79-9 26447-14-3 | 218-574-8 218-575-3 218-645-3 247-711-4 | 2* | 2 | | |
| Erionite | 12510-42-8 | 620-440-2 | 1A | | | |
| Estrogens (steroid hormones) | | | 2* | --- | 2* | 1A* |
| Estrogens, weak (steroid hormones) | | | --- | --- | 2* | 2* |
| 3-(1,2-Ethandiylacetale)-estra-5(10),9(11)-dien-3,17-dion, cyclical (790/2009) | 5571-36-8 | 427-230-8 | | | | 1B |
| Ethanol, 2,2'-iminobis-, N-(branched and linear C13-15 alkyl) derivatives (2020/217) | 97925-95-6 | 308-208-6 | | | 1B | |
| Ethene; Ethylene | 74-85-1 | 200-815-3 | --- | 2* | --- | --- |
| O,O'-(Ethenyl methyl silylene)di[(4-methyl pentane-2- one)oxime] | 156145-66-3 | 421-870-1 | | | | 2 |
| Ethidium bromide; 3,8-diamino-1-ethyl-6- phenylphenantridinium bromide (790/2009) | 1239-45-8 | 214-984-6 | | 2 | | |
| 4-Ethoxy aniline | 156-43-4 | 205-855-5 | | 2 | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|--------------|----------------|----|-----|----------------|----------------|
| 4'-Ethoxy-2-benzimidazole anilide | 120187-29-3 | 407-600-5 | | 2 | | |
| 2-Ethoxyethanol | 110-80-5 | 203-804-1 | | | 1B | 1B |
| 2-Ethoxyethyl acetate (790/2009) | 111-15-9 | 203-839-2 | | | 1B | 1B |
| ((4-Ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane (790/2009) | 105024-66-6 | 405-020-7 | | | | 1B |
| 5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (2015/1221) | 2593-15-9 | 219-991-8 | 2 | | | |
| Ethyl-1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1H-1,2,4-triazole-3-carboxylate (790/2009) | 103112-35-2 | 401-290-5 | 1B | | | |
| Ethyleneimine; Aziridine | 151-56-4 | 205-793-9 | 1B | 1B | | |
| Ethylene oxide; Oxirane (2020/217) | 75-21-8 | 200-849-9 | 1B | 1B | 2 | 1B |
| Ethylenethiourea; Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 | 2* | --- | 1B | |
| 2-Ethylhexane-1,3-diol | 94-96-2 | 202-377-9 | | | --- | |
| 2-Ethylhexanoic acid and its salts, unless listed separately (2022/692) | # - | - | | | 1B | |
| 2-Ethylhexyl-[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate | 80387-97-9 | 279-452-8 | | | 1B | |
| 2-Ethylhexyl-10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (605/2014) | 57583-35-4 | 260-829-0 | | | 2 | |
| 2-Ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (2020/1182) | 15571-58-1 | 239-622-4 | | | 1B | |
| 2-Ethylhexyl-10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (944/2013) | 57583-34-3 | 260-828-5 | | | 2 | |
| 2-Ethylhexyl-2-ethylhexanoate (790/2009) | 7425-14-1 | 231-057-1 | | | 2 | |
| (RS)-1-[1-Ethyl-4-[4-mesy]-3-(2-methoxyethoxy)-o-toluoyl]pyrazole-5-yloxy]ethylmethylcarbonate; tolpyralate (2021/849) | 1101132-67-5 | 701-225-3 | 2 | | 2 | 2 |
| 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | | | | 1B |
| 1-Ethyl-1-methylmorpholinium bromide | 65756-41-4 | 418-210-1 | | 2 | | |
| 4-Ethyl-4-methyl pyrrolidinium bromide | 69227-51-6 | 418-200-5 | | 2 | | |
| 2-Ethylphenylhydrazine hydrochloride (790/2009) | 19398-06-2 | 421-460-2 | 2 | | | |
| N-Ethyl-2-pyrrolidone; 1-Ethylpyrrolidin-2-one (944/2013) | 2687-91-4 | 220-250-6 | | | 1B | |
| Fenarimol (ISO); 2,4'-dichloro-α-(pyrimidin-5-yl)benzhydryl alcohol | 60168-88-9 | 262-095-7 | | | 2 Lact. | 2 |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|---------------|----------------|-----------|---|----------------|----------------|
| Fenoxycarb (ISO); ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate (605/2014) | 72490-01-8 | 276-696-7 | 2 | | | |
| Fenoxycarb (ISO); ethyl [2-(4-phenoxyphenoxy)ethyl] carbamate | 67564-91-4 | 266-719-9 | | | 2 | |
| Fenthion (ISO); O, O-dimethyl-O-(4-methylthion-m-tolyl)-phosphorothioate (790/2009) | 55-38-9 | 200-231-9 | | 2 | | |
| Fentin acetate (ISO); triphenyltin acetate (790/2009) | 900-95-8 | 212-984-0 | 2 | | 2 | |
| Fentin hydroxide (ISO); triphenyltin hydroxide (790/2009) | 76-87-9 | 200-990-6 | 2 | | 2 | |
| Fibrous dusts, inorganic (classification depends on fulfilment of certain criteria, see TRGS 905 section 2.3) asbestos, erionite, mineral wool and ceramic mineral fibres see there | | | 1B* or 2* | | | |
| Flocoumafen (ISO); reaction mass of: cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin and trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin (2016/1179) | 90035-08-8 | 421-960-0 | | | 1B | |
| Fluazifop-butyl (ISO); butyl (RS)-2-(4-[5-(trifluoromethyl)-2-pyridyloxy]phenoxy) propionate | 69806-50-4 | 274-125-6 | | | 1B | |
| Fluazifop-butyl (ISO); butyl (RS)-2-(4-[5-(trifluoromethyl)-2-pyridyloxy]phenoxy) propionate | 79241-46-6 | 616-669-2 | | | 2 | |
| Fluazinam (ISO); 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl) pyridine-2-amine (605/2014) | 79622-59-6 | 616-712-5 | | | 2 | |
| Flumioxazin (ISO); N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide (2021/849) | 103361-09-7 | 600-425-7 | | | 2 | |
| Fluopicolide (ISO); 2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridylmethyl]-benzamide (2022/692) | # 239110-15-7 | 607-285-6 | | | 2 | |
| 5-Fluoro-1,3-dimethyl-N-[2-(4-methylpentane-2-yl)phenyl]-1H-pyrazol-4-carboxamide; 2'-[(RS)-1,3-dimethylbutyl]-5-fluoro-1,3-dimethylpyrazole-4-carboxanilide; Penflufen (2020/1182) | 494793-67-8 | 619-823-7 | 2 | | | |
| 1-(4-Fluoro-5-hydroxymethyl-tetrahydrofuran-2-yl)-1H-pyrimidine-2,4-dione | 41107-56-6 | 415-360-8 | | 2 | | |
| Flurochloridon (ISO); 3-chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]pyrrolidine-2-one (2020/1182) | 61213-25-0 | 262-661-3 | | | 1B | 1B |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------|----------------|----------|-----|----------------|----------------|
| Flusilazole (ISO); bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazole-1-ylmethyl)silane | 85509-19-9 | 617-717-5 | 2 | | 1B | |
| Forchlorfenuron (ISO); 1-(2-chloro-4-pyridyl)-3-phenylurea (790/2009) | 68157-60-8 | 614-346-0 | 2 | | | |
| Formaldehyde (605/2014) | 50-00-0 | 200-001-8 | 1B | 2 | | |
| Formamide | 75-12-7 | 200-842-0 | | | 1B | |
| Fuberidazole (ISO); 2-(2-furyl)-1H-benzimidazole (618/2012) | 3878-19-1 | 223-404-0 | 2 | | | |
| 2-Furaldehyde; Furfural; 2-Furylmethanal (790/2009) | 98-01-1 | 202-627-7 | 2 | --- | --- | --- |
| Furan | 110-00-9 | 203-727-3 | 1B | 2 | --- | --- |
| Furfuryl alcohol (790/2009) | 98-00-0 | 202-626-1 | 2 | | | |
| Gallium arsenide (2015/1221) | 1303-00-0 | 215-114-8 | 1B | | | 1B |
| E-glass microfibres in a characteristic composition; [non-directional calcium aluminium silicate fibres having the following characteristic composition (expressed as % by mass): SiO ₂ 50.0-56.0%, Al ₂ O ₃ 13.0-16.0%, B ₂ O ₃ 5.8-10.0%, Na ₂ O < 0.6%, K ₂ O < 0.4%, CaO 15.-24.0%, MgO < 5.5%, Fe ₂ O ₃ < 0.5%, F ₂ < 1.0%. Production method: typically produced using a jet-blow or centrifugal method. (Other individual elements may be present in small quantities. The list of methods does not exclude innovations)]. (2016/1179) | | | 1B H350i | | | |
| Glass microfibres in a characteristic composition; [non-directional calcium-aluminium silicate fibres having the following characteristic composition (expressed as % by mass): SiO ₂ 55.0-60.0%, Al ₂ O ₃ 4.0-7.0%, B ₂ O ₃ 8.0-11.0%, ZrO ₂ 0.0-4.0%, Na ₂ O 9.5-13.5%, K ₂ O 0.0-4.0%, CaO 1.0-5.0%, MgO 0.0- 2.0%, Fe ₂ O ₃ < 0.2%, ZnO 2.0-5.0%, BaO 3.0-6.0%, F ₂ < 1.0%. Production method: typically produced using a jet-blow or centrifugal method. (Other individual elements may be present in small quantities. The list of methods does not exclude innovations)]. (2016/1179) | | | 2 | | | |
| Glucocorticoids (steroid hormones) | | | --- | --- | 1A* | 2* |
| Glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethylphosphinyl) butyrate (790/2009) | 77182-82-2 | 278-636-5 | | | 2 | 1B |
| 6-Glycidyloxynaphth-1-yl-oxymethyloxirane (790/2009) | 27610-48-6 | 429-960-2 | | 2 | | |
| Glycidyltrimethyl ammonium chloride (790/2009) | 3033-77-0 | 221-221-0 | 1B | 2 | --- | 2 |
| Glyoxal | 107-22-2 | 203-474-9 | | 2 | | |
| Halosulphuron-Methyl (ISO); methyl-3-chloro-5-[[[4,6-dimethoxypyrimidine-2-yl)carbamoyl]-sulphamoyl]-1-methyl-1-H-pyrazole-4-carboxylate (2020/217) | 100784-20-1 | 600-130-3 | | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|-------------------------|------------------------|----|----|----------------|--------------------|
| Heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene | 76-44-8 | 200-962-3 | 2 | | | |
| Heptachlor epoxide | 1024-57-3 | 213-831-0 | 2 | | | |
| Hexabromocyclododecane 1,2,5,6,9,10-Hexabromocyclododecane (618/2012) | 25637-99-4 3194-55-6 | 247-148-4 221-695-9 | | | | 2 H361 Lact. |
| Hexachlorobenzene | 118-74-1 | 204-273-9 | 1B | | | |
| 1,1,2,3,4,4-Hexachloro-1,3-butadiene | 87-68-3 | 201-765-5 | 2* | | | |
| 1,2,3,4,5,6-Hexachlorocyclohexanes, with the exception of those specified by name. | | | 2 | | | |
| Hexahydrocyclopenta[c]pyrrol-1-(1H)-ammonium-N-ethoxycarbonyl-N-(p-tolylsulphonyl) azanide | | 418-350-1 | | 2 | | |
| (1,3,4,5,6,7-Hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl-(1R-trans)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (2018/1480) | 1166-46-7 | 214-619-0 | 2 | | | |
| Hexamethylphosphoric acid triamide | 680-31-9 | 211-653-8 | 1B | 1B | | |
| n-Hexane (790/2009) | 110-54-3 | 203-777-6 | | | | 2 |
| 2-Hexanone (790/2009) | 591-78-6 | 209-731-1 | | | | 2 |
| O-Hexyl-N-ethoxycarbonylthiocarbamate (790/2009) | 109202-58-6 | 432-750-3 | 1B | 1B | | |
| Hydrazine | 302-01-2 | 206-114-9 | 1B | | | |
| Hydrazine, salts of | | | 1B | | | |
| Hydrazine bis(3-carboxy-4-hydroxybenzene sulphonate) | 148434-03-1 | 405-030-1 | 1B | | | |
| Hydrazine bis(3-carboxy-4-hydroxybenzene sulphonate) | 81880-96-8 | 406-090-1 | | 2 | | |
| Hydrazine-trinitromethane | 4682-01-3 | 414-850-9 | 1B | | | |
| Hydrazobenzene | 122-66-7 | 204-563-5 | 1B | | | |
| 2-[2-Hydroxy-3-(2-chlorophenyl) carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl) carbamoyl-1-naphthylazo]fluorene-9-one | 151798-26-4 | 420-580-2 | | | 1B | |
| 2-(2-Hydroxy-3,5-dinitroanilino) ethanol | 99610-72-7 | 412-520-9 | | | | 2 |
| 6-Hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridine carbonitrile | 85136-74-9 | 400-340-3 | 1B | | | |
| Hydroxylamine (790/2009) | 7803-49-8 | 232-259-2 | 2 | | | |
| Hydroxyl ammonium chloride; hydroxyl aminhydrochloride bis(hydroxyl ammonium) sulphate; hydroxylamin sulphate (2 : 1) (790/2009) | 5470-11-1 10039-54-0 | 226-798-2 233-118-8 | 2 | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|---|----------------|----|----|----------------|----------------|
| Hydroxylamine dihydrogen phosphate (790/2009) | 19098-16-9 | 242-818-2 | 2 | | | |
| Hydroxylamine-4-methyl benzene sulphonate (790/2009) | 53933-48-5 | 258-872-5 | 2 | | | |
| Hydroxylamine phosphate (790/2009) | 20845-01-6 | 244-077-0 | 2 | | | |
| Hydroxylammonium hydrogen sulphate (790/2009) | 10046-00-1 | 233-154-4 | 2 | | | |
| Hydroxylammonium nitrate (790/2009) | 13465-08-2 | 236-691-2 | 2 | | | |
| N-(Hydroxymethyl) acrylamide; methylol acrylamide; [NMA] (2020/1182) | 924-42-5 | 213-103-2 | 1B | 1B | | |
| N-[3-Hydroxy-2-(2-methyl-acryloylamino-methoxy)-propoxymethyl]-2-methyl-acrylamide; n-[2,3-bis(2-methyl-acryloylamino-methoxy)propoxymethyl]-2-methyl-acrylamide; methacrylamide; 2-methyl-n-(2-methyl-acryloylamino-methoxy-methyl)-acrylamide; n-(2,3-dihydroxy-propoxymethyl)-2-methyl-acrylamide, reaction mass of | | 412-790-8 | 1B | 2 | | |
| N-[4-[(2-Hydroxy-5-methylphenyl)azo]phenyl]acetamide; C.I. Disperse yellow 3 | 2832-40-8 | 220-600-8 | 2 | | | |
| 4-(7-Hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinol-4-yl-tris(6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulphonate) and 4-(7-Hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinol-bis(6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulphonate), 2:1 reaction mass of | 140698-96-0 | 414-770-4 | 2 | | | |
| Hymexazole (ISO); 3-hydroxy-5-methylisoxazole (2020/1182) | 10004-44-1 | 233-000-6 | | | 2 | |
| Imazalil (ISO) 1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole (2015/1221) | 35554-44-0 | 252-615-0 | 2 | | | |
| Imazamox (ISO); (RS)-2-(4-isopropyl- 4-methyl-5-oxo- 2-imidazolin-2-yl)- 5-methoxymethylnicotinic acid (2021/849) | 114311-32-9 | 601-305-7 | | | 2 | |
| Imidazol (2015/1221) | 288-32-4 | 206-019-2 | | | 1B | |
| Imiprothrin (ISO); reaction mass of: [2,4-dioxo(prop-2-in-1-yl)imidazolidine-3-yl]methyl-(1R)-cis-chrysanthemate; [2,4-dioxo(prop-2-in-1-yl)imidazolidine-3-yl]methyl-(1R)-trans-chrysanthemate (2020/1182) | 72963-72-5 | 428-790-6 | 2 | | | |
| Indium phosphide (618/2012) | 22398-80-7 | 244-959-5 | 1B | | | 2 |
| Ioxynil (ISO); 4-hydroxy-3,5-diiodbenzonitrile | 1689-83-4 | 216-881-1 | | | 2 | |
| Ipconazole (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorbenzyl)-5-isopropyl-1-(1H-1,2,4-triazole-1-ylmethyl)cyclopentaneol (2020/1182) | 125225-28-7 115850-69-6 115937-89-8 | 603-038-1 | | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|----------------|----------------|----|----|----------------|----------------|
| Iprovalicarb (ISO); Isopropyl[(2S)-3-methyl-1-[[1-(4-methylphenyl)ethyl]amino]-1-oxobutan-2-yl]carbamate (2020/1182) | 140923-17-7 | 604-209-3 | 2 | | | |
| O-Isobutyl-N-ethoxy-carbonylthiocarbamate (790/2009) | 103122-66-3 | 434-350-4 | 1B | 1B | | |
| 4,4'-Isobutylethylidene diphenol | 6807-17-6 | 401-720-1 | | | | 1B |
| Isobutyl nitrite | 542-56-3 | 208-819-7 | 1B | 2 | | |
| 2-(Isocyanatosulphonylmethyl)benzoic acid methyl ester | 83056-32-0 | 410-900-9 | | 2 | | |
| Isoflucypram; N-(5-chloro-2-isopropylbenzyl)-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide (2022/692) | # 1255734-28-1 | 811-438-4 | | | | 2 |
| Isoprene; methyl-1,3-butadiene | 78-79-5 | 201-143-3 | 1B | 2 | --- | --- |
| 4,4'-Isopropylidendiphenol (2016/1179) | 80-05-7 | 201-245-8 | | | --- | 1B |
| Isoproturon (ISO); 3-(4-isopropylphenyl)-1,1-dimethylurea (2018/1480) | 34123-59-6 | 251-835-4 | 2 | | | |
| Isopyrazam; reaction mass of 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9RS)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]-pyrazole-4-carboxamide and 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9SR)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]-pyrazole-4-carboxamide [≥ 78% Z-isomer, ≤ 15% E-isomer relative amount] (2022/692) | # 881685-58-1 | 632-619-2 | 2 | | 1B | |
| Isoxaflutole (ISO); 5-cyclopropyl-1,2-oxazol-4-yl-α,α,α-trifluoro-2-mesyl-p-tolyl-ketone (2015/1221) | 141112-29-0 | 604-222-4 | | | 2 | |
| Ketoconazole 1-[4-[4-[[[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone (790/2009) | 65277-42-1 | 265-667-4 | | | | 1B |
| Kresoxim-methyl (ISO); methyl-(E)-2-methoxyimino-[2-(o-tolyloxymethyl)phenyl]acetate | 143390-89-0 | 604-351-6 | 2 | | | |
| Lead metal (2020/1182) | 7439-92-1 | 231-100-4 | | | 1A Lact. | 1A |
| Lead compounds with the exception of those specified by name | | | | | 1A | 2 |
| Lead acetate, basic | 1335-32-6 | 215-630-3 | 2 | | 1A | 2 |
| Lead alkyls, Pb(C _n H _{2n+1}) _x (n = 1-5) | | | | | 1A | 2 |
| Lead azide | 13424-46-9 | 236-542-1 | | | 1A | 2 |
| Lead chromate (790/2009) | 7758-97-6 | 231-846-0 | 1B | | 1A | 2 |
| Lead chromate molybdate sulphate red (790/2009) | 12656-85-8 | 235-759-9 | 1B | | 1A | 2 |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--------------|----------------|----|-----|----------------|----------------|
| Lead diacetate | 301-04-2 | 206-104-4 | | | 1A | 2 |
| Lead hexafluorosilicate | 25808-74-6 | 247-278-1 | | | 1A | 2 |
| Lead hydrogen arsenate | 7784-40-9 | 232-064-2 | 1A | | 1A | 2 |
| Lead(II) methane sulphonate | 17570-76-2 | 401-750-5 | | | 1A | 2 |
| Lead sulphochromate yellow (790/2009) | 1344-37-2 | 215-693-7 | 1B | | 1A | 2 |
| Lead tetraethyl | 78-00-2 | 201-075-4 | | | 1A | 2 |
| Lead trimethyl | 75-74-1 | 200-897-0 | | | 1A | 2 |
| Lead 2,4,6-trinitroresorcinate | 15245-44-0 | 239-290-0 | | | 1A | 2 |
| Lenacil (ISO); 3-cyclohexyl-6,7-dihydro-1H-cyclopenta[d]pyrimidine-2,4-(3H,5H)-dione (2015/1221) | 2164-08-1 | 218-499-0 | 2 | | | |
| Leucomalachite green; N,N,N',N'-tetramethyl-4,4'-benzylidenedianiline (618/2012) | 129-73-7 | 204-961-9 | 2 | 2 | | |
| Lindane (ISO); γ-HCH or γ-BHC; γ-1,2,3,4,5,6-hexachlorocyclohexane | 58-89-9 | 200-401-2 | 2* | --- | | |
| Linuron (ISO); 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea | 330-55-2 | 206-356-5 | 2 | | 1B | 2 |
| Lithium perfluorooctane sulphonate, see: Perfluorooctane sulphonic acid | | | | | | |
| Malachite green hydrochloride; C.I. Basic Green 4 | 569-64-2 | 209-322-8 | | | 2 | |
| Malachite green oxalate | 2437-29-8 | 219-441-7 | | | | |
| Mancozeb (ISO); manganese ethylene-bis (dithiocarbamate) (polymer), complex with zinc salt (2021/849) | 8018-01-7 | 616-995-5 | 2 | | 1B | |
| Maneb (ISO); Manganese ethylene bis(dithiocarbamate) (polymer) (790/2009) | 12427-38-2 | 235-654-8 | | | 2 | |
| Margosa, extract [from the seeds of Azadirachta indica, extracted using water and further processed using organic solvents] (2022/692) | # 84696-25-3 | 83-644-7 | | | 2 | |
| Melamine; 2,4,6-triamino-1,3,5-triazine (2022/692) | # 108-78-1 | 203-615-4 | 2 | | | |
| Mepanipyrim; 4-Methyl-N-phenyl-6-(1-propynyl)-2-pyrimidinamine (790/2009) | 110235-47-7 | 432-140-7 | 2 | | | |
| Mercury (790/2009) | 7439-97-6 | 231-106-7 | | | 1B | |
| Mercury dichloride (790/2009) | 7487-94-7 | 231-299-8 | | 2 | | 2 |
| Mesotrione (ISO); 2-[4-(Methylsulphonyl)-2-nitrobenzoyl]- 1,3- cyclohexandione (2020/1182) | 104206-82-8 | 600-533-4 | | | 2 | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|----------------------------|----------------|-----|-----|----------------|----------------|
| 4-Mesyl-2-nitrotoluol (790/2009) | 1671-49-4 | 430-550-0 | | | | 2 |
| Metaflumizone (ISO); (E)-2'-[2-(4-Cyanophenyl)-1-(α,α,α -trifluoro-m-tolyl)-ethylidene]-[4-(trifluoromethoxy)phenyl]carbanilohydrazide [E-isomer \geq 90%, Z-isomer \leq 10% relative share]; (E)-2'-[2-(4-cyanophenyl)-1-(α,α,α -trifluoro-m-tolyl)ethylidene]-[4-(trifluoromethoxy)phenyl]carbanilohydrazide [2] (2020/217) | 139968-49-3 852403-68-0 | 604-167-6 | | | 2 Lact. | 2 |
| Metaldehyde (ISO); 2,4,6,8-tetramethyl- 1,3,5,7-tetraoxacyclooctane | 108-62-3 | 203-600-2 | | | | 2 |
| Metazachlor (ISO); 2-chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-ylmethyl)acetamide (618/2012) | 67129-08-2 | 266-583-0 | 2 | | | |
| Metconazole (ISO); (1RS,5RS;1RS,5SR)-5-(4-Chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (790/2009) | 125116-23-6 | 603-031-3 | | | 2 | |
| 2-Methoxyaniline | 90-04-0 | 201-963-1 | 1B | 2 | | |
| Methoxyacetic acid | 625-45-6 | 210-894-6 | | | 1B | 1B |
| 2-Methoxyethanol | 109-86-4 | 203-713-7 | | | 1B | 1B |
| 2-Methoxyethyl acetate; methyl glycol acetate | 110-49-6 | 203-772-9 | | | 1B | 1B |
| 2-Methoxyethyl acrylate (2020/1182) | 3121-61-7 | 221-499-3 | | 2 | 1B | 1B |
| (Z)-2-Methoxyimino-2-[2-(tritylamino)thiazol-4-yl]acetic acid (790/2009) | 64485-90-1 | 431-520-1 | 2 | | | |
| 7-Methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one; [content of formamide (EC No. 200-842-0) \geq 0.5%] (790/2009) | 199327-61-2 | 429-400-7 | | | 1B | |
| N-Methoxy-N-[1-methyl- 2-(2,4,6-trichlorophenyl)- ethyl]-3-(difluoromethyl)- 1-methylpyrazole- 4-carboxamide; Pydiflumetofen (2021/849) | 1228284-64-7 | 817-852-1 | 2 | | | 2 |
| 2-Methoxy-1-propanol | 1589-47-5 | 216-455-5 | --- | | 1B | --- |
| 2-Methoxy propyl acetate-1 | 70657-70-4 | 274-724-2 | | | 1B | |
| 6-Methoxy-m-toluidine 2-Methoxy-5-methylaniline | 120-71-8 | 204-419-1 | 1B | | | |
| N-Methyl acetamide | 79-16-3 | 201-182-6 | --- | --- | 1B | --- |
| Methyl acrylamidomethoxyacetate (with \geq 0.1% acrylamide) | 77402-03-0 | 401-890-7 | 1B | 1B | | |
| Methyl acrylamidoglycolate (with \geq 0.1% acrylamide) | 77402-05-2 | 403-230-3 | 1B | 1B | | |
| 2-Methylaziridine | 75-55-8 | 200-878-7 | 1B | | | |
| (Methyl-ONN-azoxy)methyl acetate | 592-62-1 | 209-765-7 | 1B | | 1B | |
| N-Methylbis(2-chloroethyl)amine (TRGS 905 No. 4) | 51-75-2 | 200-120-5 | 1A* | 1B* | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|--|--|-----|-----|----------------|----------------|
| 2-Methyl-5-tert-butylthiophenol (790/2009) | 7340-90-1 | 444-970-7 | | | 2 | |
| 6-Methyl-1,3-dithiolo(4,5-b)quinoxalin-2-one | 2439-01-2 | 219-455-3 | | | | 2 |
| 4,4'-Methylenebis(2-ethylaniline) | 19900-65-3 | 243-420-1 | 2 | --- | --- | --- |
| Reaction mass of the reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalene sulphonate (1:2) and the reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalene sulphonate (1:3) | 157321-59-0 | 417-980-4 | 2 | | | |
| (Methylenebis(4,1-phenyleneazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diy)))-1,1'-dipyridinium dichloride dihydrochloride | 118658-99-4 | 401-500-5 | 1B | | | |
| N,N'-methylenedimorpholine; N,N'-methylene bismorpholine; [formaldehyde released from N,N'-methylene bismorpholine]; [MBM]. | 5625-90-1 | 227-062-3 | 1B | 2 | | |
| 4,4'-Methylene diphenyl diisocyanate 2,2'-Methylene diphenyl diisocyanate 2,4'-Methylene diphenyl diisocyanate Methylene diphenyl diisocyanate (790/2009) | 101-68-8 2536-05-2 5873-54-1 26447-40-5 | 202-966-0 219-799-4 227-534-9 247-714-0 | 2 | --- | --- | --- |
| 4,4'-Methylenediphenyl diisocyanate tech. (polymeric) MDI, pMDI (in the form of respirable aerosols, respirable fraction) | 9016-87-9 | 618-498-9 | 2* | --- | --- | --- |
| 4,4'-Methylenedi-o-toluidine | 838-88-0 | 212-658-8 | 1B | | | |
| N-Methylformamide | 123-39-7 | 204-624-6 | | | 1B | |
| Methylhydrazine (2017/776) | 60-34-4 | 200-471-4 | 1B | | | |
| 2-Methylimidazol (2020/217) | 693-98-1 | 211-765-7 | | | 1B | 2 |
| Methyliodide | 74-88-4 | 200-819-5 | 2 | | | |
| Methyl isocyanate (790/2009) | 624-83-9 | 210-866-3 | | | 2 | |
| 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (2017/776) | 71868-10-5 | 400-600-6 | | | 1B | 1B |
| 1-Methyl-3-nitro-1-nitrosoguanidine (790/2009) | 70-25-7 | 200-730-1 | 1B | | | |
| N-Methylol chloroacetamide | 2832-19-1 | 220-598-9 | --- | 2* | --- | --- |
| Methylphenylenediamine; diaminotoluene [technical product – reaction mass of 4-Methyl-m-phenylenediamine (EC No. 202-453-1) and 2-Methyl-m-phenylenediamine (EC No. 212-513-9)] (790/2009) | | | 1B | 2 | | 2 |
| Methyl mercury chloride (2020/217) | 115-09-3 | 204-064-2 | 2 | | 1A Lact. | 2 |
| 2-Methyl-m-phenylenediamine | 823-40-5 | 212-513-9 | | 2 | | |
| 4-Methyl-m-phenylenediamine (790/2009) | 95-80-7 | 202-453-1 | 1B | 2 | | 2 |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|-------------|----------------|----------|-----|----------------|----------------|
| 4-Methyl-m-phenylenediamine sulphate | 65321-67-7 | 265-697-8 | 1B | | | |
| 3-Methyl pyrazole (2021/849) | 1453-58-3 | 215-925-7 | | | 1B | |
| N-Methyl-2-pyrrolidone (2016/1179) | 872-50-4 | 212-828-1 | | | 1B | |
| Methyl salicylate (2021/849) | 119-36-8 | 204-317-7 | | | 2 | |
| Metosulam (ISO) N-(2,6-dichloro-3-methylphenyl)-5,7-dimethoxy[1,2,4]- triazolo[1,5-a]pyrimidine-2-sulphonamide (2015/1221) | 139528-85-1 | 604-145-6 | 2 | | | |
| Michler's Ketone | 90-94-8 | 202-027-5 | 1B | 2 | --- | --- |
| Mineral wool (see TRGS 905) artificially produced non-directional vitreous (silicate) fibres containing over 18% by weight of alkali metal and alkaline earth metal oxides (Na ₂ O+K ₂ O+CaO+MgO+ BaO (790/2009). (Classification depends on the fulfilment of certain criteria, see TRGS 905 or 790/2009) | | | 1B* 2 | | | |
| Molinate (ISO); S-ethyl-1-perhydroazepincarbothioate; S-ethyl-perhydroazepine-1-carbothioate | 2212-67-1 | 218-661-0 | 2 | | | 2 |
| Molybdenum trioxide (790/2009) | 1313-27-5 | 215-204-7 | 2 | | | |
| Monocrotophos (ISO); dimethyl-1-methyl-2-(methylcarbomoyl)vinyl phosphate | 6923-22-4 | 230-042-7 | | 2 | | |
| Monuron (ISO); 3-(4-Chlorophenyl)-1,1-dimethylurea | 150-68-5 | 205-766-1 | 2 | | | |
| Morpholine-4-carbonyl chloride | 15159-40-7 | 239-213-0 | 1B* 2 | | | |
| Myclobutanil (ISO); 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1- ylmethyl)hexanenitrile | 88671-89-0 | 410-400-0 | | | 2 | |
| Naphthalene | 91-20-3 | 202-049-5 | 2 | --- | --- | --- |
| 2-Naphthylamine | 91-59-8 | 202-080-4 | 1A | | | |
| 2-Naphthylamine, salts of | | | 1A | | | |
| 1,5-Naphthylene diamine | 2243-62-1 | 218-817-8 | 2 | | | |
| 1-(1-Naphthylmethyl)quinolinium chloride | 65322-65-8 | 406-220-7 | 2 | 2 | | |
| Nickel, metal (790/2009) | 7440-02-0 | 231-111-4 | 2 | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|--|---|-------------|---|----------------|----------------|
| Dialuminium-nickel tetraoxide; Nickel titanium trioxide; Nickel titanium oxide; Nickel-divanadium hexaoxide; Cobalt dimolybdenum nickel octa oxide; Nickel zirconium trioxide; Molybdenum-nickel tetraoxide; Nickel tungsten tetraoxide; Olivine, nickel green; Lithium nickel dioxide; Molybdenum nickel oxide (790/2009) | 12004-35-2 12035-39-1 12653-76-8 52502-12-2 68016-03-5 70692-93-2 14177-55-0 14177-51-6 68515-84-4 12031-65-1 12673-58-4 | 234-454-8 234-825-4 235-752-0 257-970-5 268-169-5 274-755-1 238-034-5 238-032-4 271-112-7 620-400-4 - | 1A H350i | | | |
| Nickel-Barium-Titanium-Primer-Priderite; C.I. pigment yellow 157; C.I. 77900 (790/2009) | 68610-24-2 | 271-853-6 | 1A H350i | | | |
| Nickel bis(4-cyclohexyl butyrate) (790/2009) | 3906-55-6 | 223-463-2 | 1A H350i | 2 | 1B | |
| Nickel bis(dihydrogen phosphate) Nickel bis(phosphinate) see: Nickel hydrogen phosphate | | | | | | |
| Nickel bis(sulphamidate); nickel sulphamate (2020/217) | 13770-89-3 | 237-396-1 | 1A H350i | 2 | 1B | |
| Nickel bis(tetrafluorborate) (790/2009) | 14708-14-6 | 238-753-4 | 1A H350i | 2 | 1B | |
| Nickel boride (NiB) Dinickel boride Trinickel boride Nickel boride Dinickel silicide Nickel disilicide Dinickel phosphide Nickel boron phosphide (790/2009) | 12007-00-0 12007-01-1 12007-02-2 12619-90-8 12059-14-2 12201-89-7 12035-64-2 65229-23-4 | 234-493-0 234-494-6 234-495-1 235-723-2 235-033-1 235-379-3 234-828-0 - | 1A H350i | | | |
| Nickel carbonate (790/2009) Carbonic acid, nickel salt | 3333-67-3 16337-84-1 | 222-068-2 240-408-8 | 1A H350i | 2 | 1B | |
| Nickel chromate (790/2009) | 14721-18-7 | 238-766-5 | 1A H350i | | | |
| Nickel di(acetate) Nickel acetate (790/2009) | 373-02-4 14998-37-9 | 206-761-7 239-086-1 | 1A H350i | 2 | 1B | |
| Nickel diarsenide Nickel arsenide (790/2009) | 12068-61-0 27016-75-7 | 235-103-1 248-169-1 | 1A H350i | | | |
| Nickel dibenzoate (790/2009) | 553-71-9 | 209-046-8 | 1A H350i | 2 | 1B | |
| Nickel dibromide, see: Nickel difluoride | | | | | | |
| Nickel dichlorate Nickel dibromate Ethyl hydrogen sulphate, nickel(II) salts (790/2009) | 67952-43-6 14550-87-9 71720-48-4 | 267-897-0 238-596-1 275-897-7 | 1A H350i | 2 | 1B | |
| Nickel dichloride (790/2009) | 7718-54-9 | 231-743-0 | 1A H350i | 2 | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--|--|-------------|---|----------------|----------------|
| Nickel dichromate (790/2009) | 15586-38-6 | 239-646-5 | 1A H350i | 2 | 1B | |
| Nickel dicyanide (790/2009) | 557-19-7 | 209-160-8 | 1A H350i | | | |
| Nickel difluoride Nickel dibromide Nickel diiodide Nickel-potassium fluoride (790/2009) | 10028-18-9 13462-88-9 13462-90-3 11132-10-8 | 233-071-3 236-665-0 236-666-6 - | 1A H350i | 2 | 1B | |
| Nickel formate Formic acid, nickel salt Formic acid, copper-nickel salt (790/2009) | 3349-06-2 15843-02-4 68134-59-8 | 222-101-0 239-946-6 268-755-0 | 1A H350i | 2 | 1B | |
| Nickel dihydroxide (790/2009) | 12054-48-7 11113-74-9 | 235-008-5 234-348-1 | 1A H350i | 2 | 1B | |
| Nickel diiodide, see: Nickel difluoride | | | | | | |
| Nickel dilactate (790/2009) | 16039-61-5 | | 1A H350i | 2 | 1B | |
| Nickel dinitrate Nitric acid, nickel salt (790/2009) | 13138-45-9 14216-75-2 | 236-068-5 238-076-4 | 1A H350i | 2 | 1B | |
| Nickel dioxide (790/2009) | 12035-36-8 | 234-823-3 | 1A H350i | | | |
| Nickel diperchlorate; Perchloric acid, nickel(II) salt (790/2009) | 13637-71-3 | 237-124-1 | 1A H350i | 2 | 1B | |
| Nickel dipotassium bis(sulphate) Nickel diammonium bis(sulphate); Diammonium nickel bis(sulphate) (790/2009) | 13842-46-1 15699-18-0 | 237-563-9 239-793-2 | 1A H350i | 2 | 1B | |
| Nickel dithiocyanate (790/2009) | 13689-92-4 | 237-205-1 | 1A H350i | 2 | 1B | |
| Nickel hexafluorosilicate (790/2009) | 26043-11-8 | 247-430-7 | 1A H350i | 2 | 1B | |
| Nickel hydrogen phosphate Nickel bis(dihydrogen phosphate) Trinickel-bis(orthophosphate) Dinickel diphosphate Nickel bis(phosphinate) Nickel phosphinate Phosphoric acid, calcium nickel salt Diphosphoric acid, nickel(II) salt (790/2009) | 14332-34-4 18718-11-1 10381-36-9 14448-18-1 14507-36-9 36026-88-7 17169-61-8 19372-20-4 | 238-278-2 242-522-3 233-844-5 238-426-6 238-511-8 252-840-4 - - | 1A H350i | | | |
| Nickel matte as well as roasting or electrolytic refinement of (790/2009, see also TRGS 906) | | | 1A | | | |
| Slimes and slurries, refined electrolytic copper, decopperised, nickel sulphate (790/2009) | 92129-57-2 | 295-859-3 | 1A H350i | 2 | 1B | |
| Slimes and slurries, electrolytic copper refining, decopperised, (790/2009) | 94551-87-8 | 305-433-1 | 1A H350i | 2 | 1A | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--|---|-------------|---|----------------|----------------|
| Nickel monoxide Nickel oxide Bunsenite (790/2009) | 1313-99-1 11099-02-8 34492-97-2 | 215-215-7 234-323-5 - | 1A H350i | | | |
| Nickel(II) octanoate (790/2009) | 4995-91-9 | 225-656-7 | 1A H350i | 2 | 1B | |
| Nickel oxalate Oxalic acid, nickel salt (790/2009) | 547-67-1 20543-06-0 | 208-933-7 243-867-2 | 1A H350i | | | |
| Nickel phosphinate, see: Nickel hydrogen phosphate | | | | | | |
| Nickel potassium fluoride, see: Nickel difluoride | | | | | | |
| Nickel selenate | 15060-62-5 | 239-125-2 | 1A H350i | 2 | 1B | |
| Nickel selenide (790/2009) | 1314-05-2 | 215-216-2 | 1A H350i | | | |
| Nickel(II) selenite (790/2009) | 10101-96-9 | 233-263-7 | 1A H350i | | | |
| Nickel(II) silicate Dinickel orthosilicate Nickel silicate (3:4) Silicic acid, nickel salt Trihydrogenhydroxy-bis[orthosilicato(4-)]trinicelate(3-) (790/2009) | 21784-78-1 13775-54-7 31748-25-1 37321-15-6 12519-85-6 | 244-578-4 237-411-1 250-788-7 253-461-7 235-688-3 | 1A H350i | | | |
| Nickel(II) stearate; Nickel(II) octadecanoate (790/2009) | 2223-95-2 | 218-744-1 | 1A H350i | 2 | 1B | |
| Nickel sulphate (790/2009) | 7786-81-4 | 232-104-9 | 1A H350i | 2 | 1B | |
| Nickel(II) sulphide Nickel sulphide Millerite (790/2009) | 16812-54-7 11113-75-0 1314-04-1 | 240-841-2 234-349-7 - | 1A H350i | 2 | | |
| Nickel(II) sulphite; Nickel tellurium trioxide; Nickel tellurium tetraoxide; Molybdenum nickel hydroxide oxide phosphate (790/2009) | 7757-95-1 15851-52-2 15852-21-8 68130-36-9 | 231-827-7 239-967-0 239-974-9 268-585-7 | 1A H350i | | | |
| Nickel telluride (790/2009) | 12142-88-0 | 235-260-6 | 1A H350i | | | |
| Nickel tetracarbonyl | 13463-39-3 | 236-669-2 | 2 | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|---------------|----------------|-------------|---|----------------|----------------|
| Nickel(II) trifluoroacetate | 16083-14-0 | 240-235-8 | | | | |
| Nickel(II) propionate | 3349-08-4 | 222-102-6 | | | | |
| Nickel bis(benzene sulphonate) | 39819-65-3 | 254-642-3 | | | | |
| Nickel(II) hydrogen citrate | 18721-51-2 | 242-533-3 | | | | |
| Citric acid, ammonium nickel salt | 18283-82-4 | 242-161-1 | | | | |
| Citric acid, nickel salt | 22605-92-1 | 245-119-0 | | | | |
| Nickel bis(2-ethylhexanoate) | 4454-16-4 | 224-699-9 | | | | |
| 2-Ethylhexanoic acid, nickel salt | 7580-31-6 | 231-480-1 | | | | |
| Dimethylhexanoic acid, nickel salt | 93983-68-7 | 301-323-2 | | | | |
| Nickel(II) isooctanoate | 29317-63-3 | 249-555-2 | | | | |
| Nickel isooctanoate | 27637-46-3 | 248-585-3 | | | | |
| Nickel bis(isononanoate) | 84852-37-9 | 284-349-6 | | | | |
| Nickel(II) neononanoate | 93920-10-6 | 300-094-6 | | | | |
| Nickel(II) isodecanoate | 85508-43-6 | 287-468-1 | | | | |
| Nickel(II) neodecanoate | 85508-44-7 | 287-469-7 | | | | |
| Neodecanoic acid, nickel salt | 51818-56-5 | 257-447-1 | 1A H350i | 2 | 1B | |
| Nickel(II) neoundecanoate | 93920-09-3 | 300-093-0 | | | | |
| Bis(D-gluconato-O1,O2)nickel | 71957-07-8 | 276-205-6 | | | | |
| Nickel-3,5-bis(tert-butyl)-4-hydroxybenzoate(1:2) | 52625-25-9 | 258-051-1 | | | | |
| Nickel(II) palmitate | 13654-40-5 | 237-138-8 | | | | |
| (2-Ethylhexanoato-O)(Isononanoato-O)nickel | 85508-45-8 | 287-470-2 | | | | |
| (Isononanoato-O)(isooctanoato-O)nickel | 85508-46-9 | 287-471-8 | | | | |
| (Isooctanoato-O)(neodecanoato-O)nickel | 84852-35-7 | 284-347-5 | | | | |
| (2-Ethylhexanoato-O)(Isodecanoato-O)nickel | 84852-39-1 | 284-351-7 | | | | |
| (2-ethylhexanoato-O)(Neodecanoato-O)nickel | 85135-77-9 | 285-698-7 | | | | |
| (Isodecanoato-O)(isooctanoato-O)nickel | 85166-19-4 | 285-909-2 | | | | |
| (Isodecanoato-O)(isononanoato-O)nickel | 84852-36-8 | 284-348-0 | | | | |
| (Isononanoato-O)(neodecanoato-O)nickel | 85551-28-6 | 287-592-6 | | | | |
| Fatty acids, C6-19-branched, nickel salts | 91697-41-5 | 294-302-1 | | | | |
| Fatty acids, C8-18 and C18-unsaturated, nickel salts | 84776-45-4 | 283-972-0 | | | | |
| 2,7-Naphthalenedisulphonic acid, nickel(II) salt (790/2009) | 72319-19-8 | - | | | | |
| Nickel triuranium decaoxide (790/2009) | 15780-33-3 | 239-876-6 | 1A H350i | | | |
| Nickel-tin trioxide; Nickel stannate (790/2009) | 12035-38-0 | 234-824-9 | 1A H350i | | | |
| 5-Nitroacenaphthene | 602-87-9 | 210-025-0 | 1B | | | |
| 2-Nitro-4-aminophenol | 119-34-6 | 204-316-1 | 2* | | | |
| 2-Nitroanisole | 91-23-6 | 202-052-1 | 1B | | | |
| Nitrobenzene (944/2013) | 98-95-3 | 202-716-0 | 2 | | | 1B |
| 4-Nitrobiphenyl | 92-93-3 | 202-204-7 | 1B | | | |
| Nitrofen (ISO); 2,4-dichloropheny-4-nitrophenyl ether | 1836-75-5 | 217-406-0 | 1B | | 1B | |
| 2-Nitronaphthalene | 581-89-5 | 209-474-5 | 1B | | | |
| 2-Nitro-p-phenylenediamine | 5307-14-2 | 226-164-5 | 2* | | | |
| N-(2-Nitrophenyl)-phosphorotriamide (2022/692) | # 874819-71-3 | 477-690-9 | | | 2 | 1B |
| 2-Nitropropane | 79-46-9 | 201-209-1 | 1B | | | |
| Nitropyrenes (mono-, di-, tri-, tetra-), isomers | 5522-43-0 | 226-868-2 | 2* | | | |
| N-Nitrosodi-n-butylamine (TRGS 905 No. 4) | 924-16-3 | 213-101-1 | 1B* | | | |
| N-Nitrosodiethanolamine | 1116-54-7 | 214-237-4 | 1B | | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|------------------------------------|-----------------------------|-----|-----|----------------|----------------|
| N-Nitrosodiethanolamine (TRGS 905 No. 4) | 55-18-5 | 200-226-1 | 1B* | | | |
| N-Nitrosodimethylamine | 62-75-9 | 200-549-8 | 1B | | | |
| N-Nitrosodi-i-propylamine (TRGS 905 No. 4) | 601-77-4 | 690-128-9 | 1B* | | | |
| N-Nitrosodi-n-propylamine (790/2009) | 621-64-7 | 210-698-0 | 1B | | | |
| N-Nitrosoethylphenylamine (TRGS 905 No. 4) | 612-64-6 | 866-116-6 | 1B* | | | |
| N-Nitrosomethylethylamine (TRGS 905 No. 4) | 10595-95-6 | 621-991-1 | 1B* | | | |
| N-Nitrosomethylphenylamine (TRGS 905 No. 4) | 614-00-6 | 210-366-5 | 1B* | | | |
| N-Nitrosomorpholine (TRGS 905 No. 4) | 59-89-2 | 627-564-6 | 1B* | | | |
| p-Nitrosophenol | 104-91-6 | 203-251-6 | | 2 | | |
| N-Nitrosopiperidine (TRGS 905 No. 4) | 100-75-4 | 202-886-6 | 1B* | | | |
| N-Nitrosopyrrolidine (TRGS 905 No. 4) | 930-55-2 | 213-218-8 | 1B* | | | |
| 5-Nitro-o-toluidine, 2-Amino-4-nitrotoluene | 99-55-8 | 202-765-8 | 2 | --- | --- | --- |
| 5-Nitro-o-toluidine, hydrochloride | 51085-52-0 | 256-960-8 | 2 | --- | --- | --- |
| 2-Nitrotoluene | 88-72-2 | 201-853-3 | 1B | 1B | --- | 2 |
| Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Sodium nonadecafluorodecanoate (2017/776) | 335-76-2 3108-42-7 3830-45-3 | 206-400-3 221-470-5 - | 2 | | 1B Lact. | 2 |
| Nonylphenol/linear side chain | 25154-52-3 | 246-672-0 | --- | --- | 2 | 2 |
| 4-Nonylphenol/branched side chain | 84852-15-3 | 284-325-5 | --- | --- | 2 | 2 |
| Octabromodiphenyl ether | 32536-52-0 | 251-087-9 | --- | --- | 1B | 2 |
| Octamethylcyclotetrasiloxane, D4 (2020/1182) | 556-67-2 | 209-136-7 | --- | --- | --- | 2 |
| Olaquinox | 23696-28-8 | 245-832-7 | 2* | 1B* | --- | 2* |
| Oxadiargyl (ISO); 3-[2,4-chloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one (758/2013) | 39807-15-3 | 254-637-6 | | | 2 | |
| Oxidation bitumen: vapour and aerosol during hot processing of oxidation bitumen | | | 1B* | 2* | --- | --- |
| Oxirane methanol; 4-methyl benzene sulphonate; (S) toluene sulphonic acid glycidyl ester | 70987-78-9 | 417-210-7 | 1B | 2 | | |
| 3-Oxoandrost-4-en-17-beta-carboxylic acid (790/2009) | 302-97-6 | 414-990-0 | | | | 2 |
| 4,4'-Oxydianiline and its salts | 101-80-4 | 202-977-0 | 1B | 1B | --- | 2 |
| Ozone | 10028-15-6 | 233-069-2 | 2* | --- | --- | --- |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|---|--|----------|----|----------------|----------------|
| Paclitaxel (ISO); (2R,3R)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol (2020/1182) | 76738-62-0 | 616-379-6 | | | 2 | |
| Reaction products of Paraformaldehyde and 2-hydroxypropylamine (ratio 3:2); [formaldehyde released from 3,3'-methylenebis[5-methyloxazolidine]] [formaldehyde released from oxazolidine] (2017/776) | | | 1B | 2 | | |
| Reaction products of Paraformaldehyde and 2-hydroxypropylamine (ratio 1: 1); [formaldehyde released from α,α,α-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol]; [HPT] (2017/776) | | | 1B | 2 | | |
| Passive smoking (measures for the protection of workers at their workplaces are regulated by the German Occupational Health and Safety Act (<i>Arbeitsschutzgesetz</i>) and the German Workplace Regulation (<i>Arbeitsstättenverordnung</i>)). | | | 1A* | 2* | 1A* | --- |
| Penconazole (ISO); 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazol (605/2014) | 66246-88-6 | 266-275-6 | | | 2 | |
| Pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine (2022/692) | # 40487-42-1 | 254-938-2 | | | 2 | |
| Pentachloroethane | 76-01-7 | 200-925-1 | 2 | | | |
| Pentachlorophenol | 87-86-5 | 201-778-6 | 1B* 2 | 2* | 1B* | --- |
| Pentachlorophenol, salts of | | | 1B* | | | |
| Pentachlorophenol, alkali salts of - sodium salt - potassium salt | 131-52-2 7778-73-6 | 205-025-2 231-911-3 | 1B* 2 | | | |
| Pentapotassium 2,2',2'',2''',2''''-(ethane-1,2-diylnitrilo) pentaacetate (2022/692) | # 7216-95-7 | 404-290-3 | | | 1B | |
| Pentasodium (carboxylatomethyl) iminobis (ethylene nitrilo) tetraacetate (2022/692) | # 140-01-2 | 205-391-3 | | | 1B | |
| Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt trihydrate] perboric acid, sodium salt tetrahydrate Perboric acid (HBO(O ₂)), sodium salt tetrahydrate, sodium peroxoborate hexahydrate (790/2009) | 13517-20-9 37244-98-7 10486-00-7 - | 603-902-8 234-390-0 600-611-8 - | | | 1B | 2 |
| Perfluoroheptanoic acid; Tridecafluoroheptanoic acid (2022/692) | # 375-85-9 | 206-798-9 | | | 1B | |
| Perfluorooctanoic acid (944/2013) | 335-67-1 | 206-397-9 | 2 | | 1B Lact. | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--|---|-----|---|----------------|----------------|
| Perfluorooctane sulphonic acid, Heptadecafluorooctane-1-sulphonic acid | 1763-23-1 | 217-179-8 | | | | |
| Potassium perfluorooctane sulphonate, Potassium heptadecafluorooctane-1-sulphonate | 2795-39-3 | 220-527-1 | | | | |
| Diethanolamine perfluorooctane sulphonate | 70225-14-8 | 274-460-8 | 2 | | 1B Lact. | |
| Ammonium perfluorooctane sulphonate, Ammonium heptadecafluorooctane sulphonate | 29081-56-9 | 249-415-0 | | | | |
| Lithium perfluorooctane sulphonate, Lithium heptadecafluorooctane sulphonate (790/2009) | 29457-72-5 | 249-644-6 | | | | |
| Perfluoronon-1-oic acid and its sodium and Ammonium salts (2016/1179) | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 - - | 2 | | 1B Lact. | 2 |
| Phenol | 108-95-2 | 203-632-7 | --- | 2 | --- | --- |
| Phenol, dodecyl-, branched Phenol, 2-dodecyl-, branched Phenol, 3-dodecyl-, branched Phenol, 4-dodecyl-, branched Phenol, (tetrapropenyl) derivatives (2016/1179) | 121158-58-5 1801269-80-6 1801269-77-1 210555-94-5 74499-35-7 | 310-154-3 701-105-0 701-107-1 640-104-9 616-100-8 | | | | 1B |
| Phenolphthalein (790/2009) | 77-09-8 | 201-004-7 | 1B | 2 | | 2 |
| 4-Phenyl azophenylene-1,3-diamine monohydrochloride, see: Chrysoidin monohydrochloride | | | | | | |
| 1-Phenylazo-2-naphthol | 842-07-9 | 212-668-2 | 2 | 2 | --- | --- |
| (4-Phenylbutyl)phosphinic acid (790/2009) | 86552-32-1 | 420-450-5 | 2 | | | |
| 4,4'-(1,3-Phenylene-bis(1-methylethylidene))bisphenol (790/2009) | 13595-25-0 | 428-970-4 | | | | 2 |
| 1,2-Phenylendiamine | 95-54-5 | 202-430-6 | 2 | 2 | --- | --- |
| 1,2-Phenylenediamine dihydrochloride | 615-28-1 | 210-418-7 | 2 | 2 | --- | --- |
| 1,3-Phenylendiamine | 108-45-2 | 203-584-7 | --- | 2 | --- | --- |
| 1,3-Phenylenediamine dihydrochloride | 541-69-5 | 208-790-0 | --- | 2 | --- | --- |
| (R)- α -Phenyl ethyl ammonium-(-)-(1R, 2S)-(1,2-epoxypropyl)phosphonate monohydrate | 25383-07-7 | 418-570-8 | | | | 2 |
| Phenylhydrazine | 100-63-0 | 202-873-5 | 1B | 2 | --- | --- |
| Phenylhydrazine hydrochloride | 27140-08-5 | 248-259-0 | 1B | 2 | | |
| Phenylhydrazinium chloride | 59-88-1 | 200-444-7 | 1B | 2 | --- | --- |
| Phenylhydrazinium sulphate, 2:1 | 52033-74-6 | 257-622-2 | 1B | 2 | | |
| N-Phenyl-2-naphthylaniline | 135-88-6 | 205-223-9 | 2 | | | |
| trans-4-Phenyl-L-proline | 96314-26-0 | 416-020-1 | | | | 2 |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|--|------------------------------------|-------------------------------------|-------------|----|----------------|----------------|
| Phosmet (ISO); S-[(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)methyl]-O,O-dimethyldithiophosphate; O,O-dimethyl-S-phthalimidomethyldithiophosphate (2018/1480) | 732-11-6 | 211-987-4 | | | | 2 |
| Phosphoric acid, calcium nickel salt, see: Nickel hydrogen phosphate | | | | | | |
| Phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate | 13171-21-6 | 236-116-5 | | 2 | | |
| Phoxim (ISO); α-(diethoxyphosphinothioylimino)phenylacetonitrile (790/2009) | 14816-18-3 | 238-887-3 | | | | 2 |
| Pinoxaden (ISO) 8-(2,6-diethyl-4-methylphenyl)-7-oxo-1,2,4,5-tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate (2018/1480) | 243973-20-8 | 635-361-9 | | | 2 | |
| Piperazine, solid and liquid (790/2009) | 110-85-0 | 203-808-3 | | | 2 | 2 |
| Piperazine hydrochloride; Piperazine dihydrochloride; Piperazine phosphate (790/2009) | 6094-40-2 142-64-3 1951-97-9 | 228-042-7 205-551-2 217-775-8 | | | 2 | 2 |
| 3-(Piperazin-1-yl)-benzo[d]isothiazole hydrochloride (790/2009) | 87691-88-1 | 421-310-6 | | | | 2 |
| Pirimicarb (ISO); 2-(dimethylamino)-5,6-dimethylpyrimidin-4-yl dimethyl carbamate (2016/1179) | 23103-98-2 | 245-430-1 | 2 | | | |
| Polychlorinated biphenyls | 1336-36-3 | 215-648-1 | 2* | | 1B Lact. | 1B* |
| Polyhexamethylene biguanide hydrochlorides (2016/1179) | 27083-27-8 32289-58-0 | 608-042-7 608-723-9 | 2 | | | |
| Potassium bromate | 7758-01-2 | 231-829-8 | 1B | | | |
| Potassium chromate | 7789-00-6 | 232-140-5 | 1B H350i | 1B | | |
| Potassium dichromate | 7778-50-9 | 231-906-6 | 1B | 1B | 1B | 1B |
| Potassium-1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazol-5-olate; [content of N,N-dimethylformamide (EC No. 200-679-5) ≥ 0.5%] (790/2009) | 183196-57-8 | 418-260-2 | | | 1B | |
| Potassium perfluorooctane sulphonate, see: Perfluorooctane sulphonic acid | | | | | | |
| Potassium permanganate (2018/1480) | 7722-64-7 | 231-760-3 | | | 2 | |
| Potassium titanium oxide (K ₂ Ti ₆ O ₁₃) (790/2009) | 12056-51-8 | 432-240-0 | 2 | | | |
| Profoxydim (ISO); 2-[(E)-1-[(2RS)-2-(4-chlorophenoxy)propoxyimino]butyl]-3-hydroxy-5-(thian-3-yl)cyclohex-2-en-1-on (790/2009) | 139001-49-3 | 604-105-8 | 2 | | 2 | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------|----------------|-------------|-----|----------------|----------------|
| Progestogens (steroid hormones) | | | 2* | --- | 1B* | 1A* |
| Progestogens, weak (steroid hormones) | | | --- | --- | 2* | 2* |
| 3-Propanolide | 57-57-8 | 200-340-1 | 1B | | | |
| 1,3-Propane sultone; 1,2-oxathiolane-2,2-dioxide | 1120-71-4 | 214-317-9 | 1B | | | |
| Propargite (ISO); 2-(4-tert-butylphenoxy)cyclohexylprop-2-ynylsulphite | 2312-35-8 | 219-006-1 | 2 | | | |
| Propazine (ISO); 2-chloro-4,6-bis(isopropylamino)-1,3,5-triazine | 139-40-2 | 205-359-9 | 2 | | | |
| Propiconazole (ISO); (2RS,4RS;2RS,4SR)-1-[[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (2018/1480) | 60207-90-1 | 262-104-4 | | | 1B | |
| 1,2-Propylene oxide (2016/1179) | 75-56-9 | 200-879-2 | 1B | 1B | | |
| Propylene thiourea | 2122-19-2 | 620-432-9 | | | 2 | |
| Iso-propyl glycidyl ether | 4016-14-2 | 233-672-9 | --- | 2* | --- | --- |
| Proquinazid (ISO); 6-iodo-2-propoxy-3-propylquinazolin-4(3H)-one (944/2013) | 189278-12-4 | 606-168-7 | 2 | | | |
| Pymetrozine (ISO); (E)-4,5-dihydro-6-methyl-4-(3-pyridylmethylenamino)-1,2,4-triazine-3(2H) (2020/1182) | 123312-89-0 | 602-927-1 | 2 | | 2 | 2 |
| Pyrogallol; 1,2,3-Trihydroxybenzene | 87-66-1 | 201-762-9 | | 2 | | |
| Pyrolysis products from organic material, see also those specified by name (see below, TRGS 906) | | | 1A* or 1B* | | | |
| Respirable quartz dust (see below, TRGS 906) | 14808-60-7 | 238-878-4 | | | | |
| Quinoclamine (ISO); 2-amino-3-chloro-1,4-naphthoquinone (2022/692) | # 2797-51-5 | 220-529-2 | 2 | | 2 | |
| Quinoline (790/2009) | 91-22-5 | 202-051-6 | 1B | 2 | | |
| Quinolin-8-ol; 8-hydroxyquinoline (2017/776) | 148-24-3 | 205-711-1 | | | 1B | |
| Salicylic acid (2018/1480) | 69-72-7 | 200-712-3 | | | 2 | |
| Silicic acid, lead-nickel salt (790/2009) | 68130-19-8 | | 1A H350i | | 1A | 2 |
| Silver-zinc zeolite (zeolite, Linde type A, surface modified with silver and zinc ions). [This entry concerns LTA type zeolite (Linde type A) where the surface has been modified with silver and zinc ions containing Ag ⁺ 0.5% to 6%, Zn ²⁺ 5% to 16% and possibly phosphorus, NH ₄ ⁺ , Mg ²⁺ and/or Ca ²⁺ each < 3%]. (2017/776) | 130328-20-0 | 603-404-0 | | | 2 | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------------------|------------------------|----|-----|----------------|----------------|
| Silicon carbide fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) (2020/1182) | 409-21-2 308076-74-6 | 206-991-8 | 1B | | | |
| Simazine (ISO); 6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine | 122-34-9 | 204-535-2 | 2 | | | |
| Sodium chromate | 7775-11-3 | 231-889-5 | 1B | 1B | 1B | 1B |
| Sodium dichromate (790/2009) | 10588-01-9 | 234-190-3 | 1B | 1B | 1B | 1B |
| Sodium dichromate dihydrate | 7789-12-0 | 234-190-3 | 1B | 1B | 1B | 1B |
| Sodium N-(hydroxymethyl)glycinate; [formaldehyde released from sodium N-(hydroxymethyl)glycinate] (2020/1182) | 70161-44-3 | 274-357-8 | 1B | 2 | | |
| Sodium perborate Sodium peroxometaborate Sodium peroxoborate (790/2009) | 15120-21-5 7632-04-4 | 239-172-9 231-556-4 | | | 1B | 2 |
| Spirodiclofen (ISO); 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl-2,2-dimethylbutyrate (2018/1480) | 148477-71-8 | 604-636-5 | 1B | | | 2 |
| Spirotetramate (ISO); (5s,8s)-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4,5]dec-3-en-4-yl-ethylcarbonate (2015/1221) | 203313-25-1 | 606-523-6 | | | 2 | 2 |
| Spiroxamine (ISO); 8-tert-butyl-1,4-dioxaspiro[4,5]dec-2-ylmethylethylpropylamine (2017/776) | 118134-30-8 | 601-505-4 | | | 2 | |
| Strontium chromate | 7789-06-2 | 232-142-6 | 1B | | | |
| Styrene (605/2014) | 100-42-5 | 202-851-5 | | | 2 | |
| Styrene oxide | 96-09-3 | 202-476-7 | 1B | | | |
| Sulcotrione (ISO); 2-[2-chloro-4-(methylsulphonyl)benzoyl]cyclohexane-1,3-dione (944/2013) | 99105-77-8 | 619-394-6 | | | 2 | |
| Sulphallate (ISO); 2-chlorallyl-N,N-dimethyldithiocarbamate | 95-06-7 | 202-388-9 | 1B | | | |
| Tellurium (2022/692) | # 13494-80-9 | 236-813-4 | | | 1B Lact. | 2 |
| Tellurium dioxide (2022/692) | # 7446-07-3 | 231-193-1 | | | 1B Lact. | 2 |
| Tembotrione (ISO); 2-[2-chloro-4-(methylsulphonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]cyclohexane-1,3-dione (2015/1221) | 335104-84-2 | 608-879-8 | | | 2 | |
| Tepraloxymid (ISO); (RS)-(EZ)-2-{1-[(2E)-3-chlorallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one (790/2009) | 149979-41-9 | 604-715-4 | 2 | | 2 | 2 |
| 1,4/5,8-1,4,5,8-Tetraaminoanthraquinone | 2475-45-8 | 219-603-7 | 1B | --- | --- | --- |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--|---|-----|-----|----------------|----------------|
| Tetraborinate sodium hepta oxide, hydrate Disodium tetraborate, anhydrous Orthoboric acid, sodium salt Disodium tetraborate decahydrate Disodium tetraborate pentahydrate | 12267-73-1 1330-43-4 13840-56-7 1303-96-4 12179-04-3 | 235-541-3 215-540-4 237-560-2 215-540-4 215-540-4 | | | 1B | 1B |
| 5,6,12,13-Tetrachloroanthra(2,1,9-def:6,5,10-d'e'f')diisoquinoline-1,3,8,10(2H, 9H)tetrone | 115662-06-1 | 405-100-1 | | | | 2 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxine (TRGS 905 No. 4) | 1746-01-6 | 217-122-7 | 1B* | | | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 201-197-8 | 2* | 2* | --- | --- |
| Tetrachloroethene | 127-18-4 | 204-825-9 | 2 | --- | 2* | --- |
| Tetrachloromethane | 56-23-5 | 200-262-8 | 2 | | | |
| Tetrafluoroethylene (2021/849) | 116-14-3 | 204-126-9 | 1B | | | |
| N,N,N',N'-Tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane | 130728-76-6 | 410-060-3 | | 2 | | |
| Tetrahydro-1,3-dimethyl-1H-pyrimidin-2-one; Dimethylpropyleneurea (790/2009) | 7226-23-5 | 230-625-6 | | | | 2 |
| Tetrahydrofuran (618/2012) | 109-99-9 | 203-726-8 | 2 | | | |
| Tetrahydrofurfuryl alcohol; Tetrahydro-2-furyl-methanol (605/2014) | 97-99-4 | 202-625-6 | | | 1B | 2 |
| (±)-Tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)-phenyloxy]propanoate (2018/1480) | 200509-41-7 | 414-200-4 | 2 | | 2 | 2 |
| Tetrahydrothiopyran-3-carboxaldehyde | 61571-06-0 | 407-330-8 | | | 1B | |
| Tetrakis(hydroxymethyl)phosphonium chloride; reaction product with urea and distilled hydrogenated C16-18 tallow alkylamine | 166242-53-1 | 422-720-8 | 2 | --- | | |
| Tetramethrin (ISO) (2018/1480) | 7696-12-0 | 231-711-6 | 2 | | | |
| Acridine orange; N,N,N',N'-tetramethylacridin-3,6-yl-diamine hydrochloride N,N,N',N'-tetramethylacridine-3,6-diamine monohydrochloride, Compound with ZnCl ₂ | 65-61-2 10127-02-3 | 200-614-0 233-353-6 | --- | 2* | --- | --- |
| 2,2'-((3,5',5,5'-Tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bisoxirane (790/2009) | 85954-11-6 | 413-900-7 | 2 | | | |
| N,N,N',N'-Tetramethyl-4,4'-methylenedianiline; 4,4'-methylenebis(N,N-dimethylaniline) | 101-61-1 | 202-959-2 | 1B | | | |
| Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] | 2602-46-2 | 220-012-1 | 1B | | 2 | |
| Tetranitromethane (TRGS 905 No. 4) | 509-14-8 | 208-094-7 | 1B* | | | |
| Theophylline; 1,3-dimethyl-3,7-dihydro-1H-purin-2,6-dione (2022/692) | # 58-55-9 | 200-385-7 | | | 1B | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|-------------|----------------|-------------------|-----|---------------------|----------------|
| Thiacloprid (ISO); (Z)-3-(6-chloro-3-pyridylmethyl)-1,3-thiazolidin-2-ylidencyanamide; {(Z)-3-[(6-chloropyridin-3-yl)methyl]-1,3-thiazolidin-2-yliden}cyanamide (2017/776) | 111988-49-9 | 601-147-9 | 2 | | 1B | 1B |
| Thiamethoxam (ISO); 3-(2-chloro-thiazol-5-ylmethyl)-5-methyl [1,3,5]oxadiazinan-4-yliden-N-nitroamine (2021/849) | 153719-23-4 | 428-650-4 | | | 2 | 2 |
| Thioacetamide | 62-55-5 | 200-541-4 | 1B | | | |
| 4,4'-Thiodianiline and its salts | 139-65-1 | 205-370-9 | 1B | | | |
| Thiourea | 62-56-6 | 200-543-5 | 2 | | 2 | |
| Thiophanate methyl (ISO); dimethyl (1,2-phenylenedicarbamothioyl)biscarbamate; dimethyl 4,4'-(o-phenylene) bis(3-thioallophanate) (2021/849) | 23564-05-8 | 245-740-7 | 2 | 2 | | |
| Titanium dioxide; [in powder form with at least 1% of particles having an aerodynamic diameter ≤ 10 µm]. (2020/217) | 13463-67-7 | 236-675-5 | 2 (inhalation) | | | |
| o-Toluidine | 95-53-4 | 202-429-0 | 1B | | | |
| p-Toluidine | 106-49-0 | 203-403-1 | 2 | --- | --- | --- |
| p-Toluidinium chloride | 540-23-8 | 208-740-8 | 2 | | | |
| p-Toluidine sulphate | 540-25-0 | 208-741-3 | 2 | | | |
| Toluene (790/2009) | 108-88-3 | 203-625-9 | --- | --- | 2 | --- |
| 4-o-Tolylazo-o-toluidine | 97-56-3 | 202-591-2 | 1B | | | |
| m-Tolyldiene diisocyanate | 26471-62-5 | 247-722-4 | 2 | | | |
| Tralkoxydim (ISO); 2-[(1E)-ethoxypropanimidoyl]-3-hydroxy-5-mesitylcyclohex-2-en-1-on (605/2014) | 87820-88-0 | 618-075-9 | 2 | | | |
| Triadimenol (ISO); (1RS,2RS;1RS,2SR)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol; α-tert-butyl-β-(4-chlorophenoxy)-1H-1,2,4-triazol-1-ethanol (2017/776) | 55219-65-3 | 259-537-6 | | | 1B H360 Lact. | |
| Triammonium-6-amino-3-((2,5-diethoxy-4-(3-phosphonophenyl)azo)phenyl)azo-4-hydroxy-2-naphthalenesulphonate; diammonium 3-((4-((7-amino-1-hydroxy-3-sulpho-naphthalen-2-yl)azo)-2,5-diethoxyphenyl)azo)benzoate, reaction mass of (790/2009) | | 438-310-7 | | | | 2 |
| Triammonium-4-[4-[7-(4-carboxylatoanilino)-1-hydroxy-3-sulphonato-2-naphthylazo]-2,5-dimethoxyphenylazo]benzoate (790/2009) | 221354-37-6 | 432-270-4 | | | | 2 |
| 1,2,4-Triazole (2021/849) | 288-88-0 | 206-022-9 | | | 1B | 1B |
| Tribleibis(orthophosphate) | 7446-27-7 | 231-205-5 | | | 1A | 2 |

| Name of substance | | CAS number | EC/list number | C | M | R _D | R _F |
|--|---|------------------------|----------------|----------|-----|----------------|----------------|
| Tribromomethane | | 75-25-2 | 200-854-6 | 2* | | | |
| 2,4,6-Tri- <i>tert</i> -butylphenol (2022/692) | # | 732-26-3 | 211-989-5 | | | 1B | |
| Tributyl phosphate | | 126-73-8 | 204-800-2 | 2 | | | |
| Tributyltin compounds (2015/1221) | | | | | | 1B | 1B |
| 2,3,4-Trichloro-1-butene (790/2009) | | 2431-50-7 | 219-397-9 | 1B* 2 | | | |
| 1,1,2-Trichloroethane | | 79-00-5 | 201-166-9 | 2 | --- | --- | --- |
| Trichlorethylene | | 79-01-6 | 201-167-4 | 1B | 2 | | |
| Trichloromethane (944/2013) | | 67-66-3 | 200-663-8 | 1B* 2 | 2* | 2 | --- |
| Trichlormethylstannane (944/2013) | | 993-16-8 | 213-608-8 | | | 2 | |
| N-(Trichloromethylthio)phthalimide (790/2009) | | 133-07-3 | 205-088-6 | 2 | | | |
| 2,4,6-Trichlorophenol | | 88-06-2 | 201-795-9 | 2 | | | |
| 1,2/3-Trichloropropane | | 96-18-4 | 202-486-1 | 1B | 2* | --- | 1B |
| α,α,α -Trichlorotoluene | | 98-07-7 | 202-634-5 | 1B | | | |
| Tridemorph | | 24602-86-6 | 246-347-3 | | | 1B | |
| Triethylarsenate | | 15606-95-8 | 427-700-2 | 1A | | | |
| Triflumizole (ISO); (1E)-N-[4-chloro-2-(trifluoromethyl)phenyl]-1-(1H-imidazol-1-yl)-2-propoxyethanimine (2016/1179) | | 68694-11-1 | 614-708-8 | | | 1B | |
| Trifluoriodomethane | | 2314-97-8 | 219-014-5 | | 2 | | |
| Trifluralin (ISO) (contains < 0.5 ppm NPDA); α,α,α -Trifluoro-2,6-dinitro-N, N-dipropyl-p-toluidine (contains < 0,5 ppm NPDA); 2,6-dinitro-N, N-dipropyl-4-trifluoromethylaniline (contains < 0,5 ppm NPDA); N, N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (contains < 0,5 ppm NPDA). (790/2009) | | 1582-09-8 | 216-428-8 | 2 | | | |
| Triflusulphuron-methyl (2015/1221); methyl 2-([4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-yl]carbamoyl)sulphamoyl)-3-methylbenzoate | | 126535-15-7 | 603-146-9 | 2 | | | |
| 2,4,5-Trimethylaniline 2,4,5-Trimethylaniline hydrochloride | | 137-17-7 21436-97-5 | 205-282-0 - | 1B | --- | --- | --- |
| 3,5,5-Trimethyl-2-cyclohexen-1-one | | 78-59-1 | 201-126-0 | 2 | --- | --- | --- |
| Trimethylolpropane triacrylate; 2-ethyl-2-[[[(1-oxoallyl)-oxy]-methyl]-1,3-propanedioldiacrylate; 2,2-bis(acryloyloxymethyl)butyl acrylate (2022/692) | # | 15625-89-5 | 239-701-3 | 2 | | | |
| Trimethyl phosphate | | 512-56-1 | 208-144-8 | 2* | 1B* | | |

| Name of substance | CAS number | EC/list number | C | M | R _D | R _F |
|---|--------------------------|----------------|-------------|-----|----------------|----------------|
| Trimethylpropane-tri(3-aziridinylpropanoate); (TAZ) (790/2009) | 52234-82-9 | 257-765-0 | | 2 | | |
| Trinickel-bis(arsenate); Nickel(II) arsenate (790/2009) | 13477-70-8 | 236-771-7 | 1A | | | |
| Trinickel-bis(arsenite) (790/2009) | 74646-29-0 | | 1A H350i | | | |
| Trinickel-bis(orthophosphate), see: Nickel hydrogen phosphate | | | | | | |
| Trinickel disulphide; nickel subsulphide (2021/849) Heazlewoodite (2021/849) | 12035-72-2 12035-71-1 | 234-829-6 - | 1A H350i | 2 | | |
| Trinickel tetrasulphide (790/2009) | 12137-12-1 | | 1A H350i | | | |
| 2,4,7-Trinitrofluoren-9-one | 129-79-3 | 204-965-0 | 2* | | | |
| 2,4,6-Trinitrotoluene (and isomers in technical mixtures) | 118-96-7 | 204-289-6 | 2* | | | |
| 1,3,5-Trioxane | 110-88-3 | 203-812-5 | --- | --- | 2 | --- |
| 1,3,5-Tris(3-aminomethylethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione and oligomer mixture of 3,5-Bis(3-aminomethylphenyl)-1-poly[3, 5-bis(3-aminomethylphenyl)-2,4,6-triazine-1,3,5-(1H,3H,5H)triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione, reaction mass of | | 421-550-1 | 1B | | 1B | |
| Tris[2-chloro-1-chloromethyl]ethyl]phosphate (618/2012) | 13674-87-8 | 237-159-2 | 2 | | | |
| Tris(2-chlorethyl)phosphate (790/2009) | 115-96-8 | 204-118-5 | 1B* 2 | --- | --- | 1B |
| 1,3,5-Tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H, 3H, 5H)-trione | 59653-74-6 | 423-400-0 | | 1B | | |
| Tris(2-methoxyethoxy)vinylsilane; 6-(2-methoxyethoxy)-6-vinyl-2,5,7,10-tetraoxa-6-silaundecane (2020/1182) | 1067-53-4 | 213-934-0 | | | 1B | 1B |
| N,N',N"-Tris(2-methyl-2,3-epoxypropyl)-perhydro-2,4,6-oxo-1,3,5-triazine (790/2009) | 26157-73-3 | 435-010-8 | | 2 | | |
| 1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)trione | 2451-62-9 | 219-514-3 | --- | 1B | --- | 2* |
| Trisodium-[4'-(8-acetylamino-3,6-disulphonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulphonato-2-naphthylazo)-biphenyl-1,3',3''',1'''-tetraolato-O,O',O'',O''']copper(II) | 164058-22-4 | 413-590-3 | 1B | | | |
| Trisodium bis[7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulphonato-1-naphtholato]chromate(1-) | 106084-79-1 | 400-810-8 | | 2 | | |
| Trisodium nitrile triacetate (790/2009) | 5064-31-3 | 225-768-6 | 2 | | | |
| Triticonazole (ISO); (RS)-(E)- 5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazole- 1-methyl)cyclopentanol (2021/849) | 138182-18-0 | | | | | 2 |
| Trixylyl phosphate (618/2012) | 25155-23-1 | 246-677-8 | | | | 1B |

| Name of substance | | CAS number | EC/list number | C | M | R _D | R _F |
|--|---|-----------------------------------|-------------------------------------|-----|-----|----------------|----------------|
| Urethane (INN); Ethyl carbamate | | 51-79-6 | 200-123-1 | 1B | | | |
| Valifenalate; Methyl N-(isopropoxycarbonyl)-L-valyl-(3RS)- 3-(4-chlorophenyl)-β-alaninate (2022/692) | # | 283159-90-0 | 608-192-3 | 2 | | | |
| Valinamide | | 20108-78-5 | 402-840-7 | | | | 2 |
| Vanadium pentoxide; divanadium pentaoxide (2022/692) | # | 1314-62-1 | 215-239-8 | 1B | 2 | 2 Lact. | 2 |
| Vinclozolin (ISO); N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidin-2,4- dione | | 50471-44-8 | 256-599-6 | 2 | | 1B | 1B |
| Vinyl acetate (944/2013) | | 108-05-4 | 203-545-4 | 2 | | | |
| 9-Vinylcarbazole (790/2009) | | 1484-13-5 | 216-055-0 | --- | 2 | --- | --- |
| Vinyl chloride | | 75-01-4 | 200-831-0 | 1A | | | |
| 4-Vinylcyclohexene (605/2014) | | 100-40-3 | 202-848-9 | 2 | --- | --- | 2* |
| 1-Vinylimidazole (2018/1480) | | 1072-63-5 | 214-012-0 | | | 1B | |
| N-Vinyl-2-pyrrolidone | | 88-12-0 | 201-800-4 | 2 | --- | --- | --- |
| Warfarin (ISO); 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-chromen-2-one (S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone (R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone (2016/1179) | | 81-81-2 5543-57-7 5543-58-8 | 201-377-6 226-907-3 226-908-9 | | | 1A | |
| Wood dust (except hardwood dust, see below) | | | | 2* | | | |
| 2,4-Xylidine | | 95-68-1 | 202-440-0 | 2* | | | |
| 2,6-Xylidine | | 87-62-7 | 201-758-7 | 2 | --- | --- | --- |
| Zinc chromates, including zinc potassium chromate | | | | 1A | | | |
| Zinc Pyrithione; (T-4)-bis[1-(hydroxy-κ.O)pyridine-2(1H)- thionato- κ.S]zinc (2020/1182) | | 13463-41-7 | 236-671-3 | | | 1B | |
| Ziram (ISO); Zinc bis(dimethyl dithiocarbamate) | | 137-30-4 | 205-288-3 | | --- | | |

Explanatory notes

CAS number Registration number in the Chemical Abstracts Service

EC number EINECS number (registration number of the European Inventory Existing Chemical Commercial Substances) or ELINCS number (registration number of the European List of New Chemical Substances)

C Carcinogenic

| | |
|----------------|---|
| M | Mutagenic (germ-cell mutagenic) |
| R | toxic to reproduction |
| R _D | Harmful to the development of the unborn child |
| R _F | Harmful to fertility |
| 1A, 1B, 2 | Categories according to Annex I of Regulation (EC) No. 1272/2008 (see section “Comments on categories”) |
| Lact. | Effects on or through lactation |
| --- | Based on the available data, an assignment to categories 1A to 2 according to Annex I of Regulation (EC) No 1272/2008 could not be made (see TRGS 905, supplementary information is provided in the reasoning for the substances at http://www.baua.de/de/Themen-von-A-Z/Gefahrstoffe/TRGS/Begrundungen-905-906.html) or the classification has been cancelled by the EU. |
| * | Ratings marked with an asterisk originate from TRGS 905. These national ratings provided by AGS, the German Hazardous Substances Committee, are intended to provide protection for employees in their workplaces, so that employers can take the required protective measures. An EU legal classification for these substances is being sought. If a substance already has an EU legal classification, this must be indicated when placing it on the market until the substance is reclassified by the EU Commission. In such cases, the AGS rating must be taken into account when specifying the protective measures. |
| # | This substance has been reassessed for its properties. (EU Regulation No. 2022/692) |

To be on the safe side, we recommend that you also identify substances via CAS or EC numbers, as a substance usually has several substance names (synonyms). Substances covered by group entries are excluded. In such cases, classification is only possible via the substance name.

Explanatory notes on the categories (Regulation (EC) No. 1272/2008)

Carcinogenic

- Carc. Known to be or likely to be carcinogenic in humans
- 1 A substance is classified as a category 1 carcinogen based on epidemiological and/or animal test data. The following sub-classifications are also possible:
- 1A Substances known to be carcinogenic in humans; classification is mainly based on evidence in humans.
- (H350 “May cause cancer” or
H350i “May cause cancer upon inhalation”).

- 1B Substances that are likely to be carcinogenic in humans; classification is mainly based on evidence in animals (H350 or H350i).

Classification into categories 1A and 1B is based on the strength of the evidence combined with additional indications. Such evidence may come either from

- epidemiological studies, establishing a causal link between human exposure to a substance and the development of cancer (known human carcinogen), or
- from animal studies with sufficiently conclusive evidence to establish a carcinogenic effect in animals, so that the substance is likely to be carcinogen in humans.

In addition, upon scientific assessment, it may be justified in specific instances to make a decision about the likely carcinogenic effect on humans on the basis of studies showing only limited evidence of a carcinogenic effect on humans, combining such studies with limited evidence in laboratory animals.

- 2 Suspected carcinogenic effect on humans

The classification of a substance in category 2 is based on evidence from studies in humans and/or animals, but not sufficient to classify the substance in category 1A or 1B, on the strength of the evidence and additional indications. Such indications may come either from human studies giving rise to a suspicion of carcinogenic effects or from animal studies giving rise to a suspicion of carcinogenic effects.

(H351 “Suspected of causing cancer”).

Germ-cell mutagenic

Muta. Substances known to cause genetic mutations or which should be regarded as
or causing genetic mutations in human germ cells.
Mutag.

- 1 Substances known to cause genetic mutations in human germ cells.

- 1A Classification in category 1A is based on positive findings from epidemiological studies in humans. Substances that should be regarded as causing genetic mutations in human germ cells.

(H340 “May cause genetic defects”).

- 1B Classification in category 1B is based on

- positive findings from in vivo tests for heritable germ cell mutagenicity in mammals or
- positive findings from in vivo tests for mutagenicity in mammalian somatic cells combined with evidence that the substance has the potential to cause mutations in germ cells. Such supporting evidence may result, for example, from in vivo mutagenicity/genotoxicity tests in germ cells or from

demonstrating the ability of the substance or its metabolite(s) to interact with the genetic material of germ cells, or

- positive findings from tests showing mutagenic effects in germ cells of humans but without evidence of transmission to offspring; this would include, for example, an increase in the rate of aneuploidy in the sperm of exposed individuals (H340).

2 Substances that are of concern regarding humans because they can potentially cause heritable mutations in human germ cells.

Classifications in category 2 are based on

- positive findings in mammalian tests and/or, in some cases, in vitro tests obtained from
 - in vivo mammalian somatic cell mutagenicity tests or
 - other in-vivo somatic cell genotoxicity tests supported by positive findings from in-vitro mutagenicity tests.

(H341 “Suspected of causing genetic defects”).

Toxic to reproduction (reprotoxic)

R_F Harmful to fertility

R_D Harmful to the development of the unborn child

Repr.1 Substance known or likely to be toxic to reproduction

Substances are classified as toxic to reproduction category 1 if they are known to impair sexual function and fertility or development in humans or if there are findings from animal studies, supplemented where possible by further information, which allow the clear assumption that the substance has the capacity to impair human reproduction. The classification of a substance is further differentiated according to whether the classification is predominantly based on findings in humans (category 1A) or in animals (category 1B).

1A Substance known to be toxic to reproduction

Classification of a substance in category 1A is largely based on findings from humans.

(H360F “May impair fertility” and/or

H360D “May harm the unborn child”).

1B Substance likely to be toxic to reproduction

Classification of a substance in category 1B is largely based on data from animal studies. Such data must provide clear evidence of impaired sexual function and fertility and development in the absence of other toxic effects; if they occur

together with other toxic effects, the reproductive impairment must not be considered a secondary non-specific consequence of other toxic effects. However, if there is information on the impact mechanism that calls into question the relevance of the effects in humans, then classification in category 2 may be more appropriate (H360F and/or H360D).

2 Substance suspected of being toxic to reproduction

Substances are classified as toxic to reproduction under category 2 if there are findings (possibly supplemented by further information) in humans or laboratory animals that demonstrate impairment of sexual function and fertility or development, but this evidence is not sufficiently conclusive for classification of the substance under category 1. If shortcomings of the study reduce the validity of the evidence, a category 2 classification may be more appropriate. Such effects must have been observed in the absence of other toxic effects, but if they occur together with other toxic effects, the reproductive impairment must not be considered a secondary non-specific consequence of those other effects.

(H361f "Substance suspected of damaging fertility" and/or

H361d "Substance suspected of damaging the unborn child").

List of carcinogenic activities or processes according to section 3 (2) no. 3 of the German Hazardous Substances Ordinance, GefStoffV (TRGS 906) or Directive 2004/37/EC

- 1 Production of auramine
- 2 Activities or processes that expose workers to carcinogenic polycyclic aromatic hydrocarbons which may be present in pyrolysis products from organic material (e.g. coal soot, coal tar or coal tar pitch). It is acceptable to select benzo[a]pyrene as the reference substance for pyrolysis products containing carcinogenic polycyclic aromatic hydrocarbons.
- 3 Activities or processes where workers are exposed to dust, fumes or mists during roasting or the electrolytic refinement of nickel matte.
- 4 Strong acid processes in the production of isopropyl alcohol
- 5 Activities or processes that expose workers to hardwood dusts (see below)
- 6 Activities or processes that involve employees working in areas where diesel engine emissions are released.
If the occupational exposure limit (OEL) value for diesel soot particles is observed, then no acute or chronic effects on the health of employees should generally be expected. Generally, therefore, if the OEL for diesel soot particles is observed, then the activity is not carcinogenic under TRGS 906 (see TRGS 554, 2019 edition, no. 3.2 para. 1).
- 7 Activities or processes that expose workers to respirable*) dusts of crystalline silica in the form of quartz and cristobalite (excluding coal mine dust).

*) DIN/EN 481 "Workplace Atmospheres – Size Fraction Definitions for Measurement of Airborne Particles", Brussels 1993.

- 8 Work involving dermal exposure to mineral oils previously used in internal combustion engines to lubricate and cool the moving parts of the engine.

List of some hardwood species according to Annex I No. 5 of Directive 2004/37/EC

Source: Volume 62 of the monograph on the evaluation of cancer risks to humans published by the International Agency for Research on Cancer (IARC): Wood Dust and Formaldehyde, Lyon, 1995.

Hardwoods are in particular:

- African Mahogany (Khaya)
- Afrormosia (*Pericopsis elata*)
- Maple (*Acer*)
- Balsa (*Ochroma*)
- Birch (*Betula*)
- Brazilian rosewood (*Dalbergia nigra*)
- Beech (*Fagus*)
- Ebony (*Diospyros*)
- Oak (*Quercus*)
- Alder (*Alnus*)
- Ash (*Fraxinus*)
- Hickory (*Carya*)
- Iroko (*Chlorophora excelsa*)
- Chestnut (*Castanea*)
- Cowrie pine (*Agathis australis*)
- Cherry (*Prunus*)
- Limba (*Terminalia superba*)
- Lime (*Tilia*)
- Mansonia (*Mansonia*)
- Meranti (*Shorea*)

- Nyaoth (*Palaquium hexandrum*)
- Obeche (*Triplochiton scleroxylon*)
- Rosewood (*Dalbergia*)
- Poplar (*Populus*)
- Plane tree (*Platanus*)
- Rimu, Red Pine (*Dacrydium cupressinum*)
- Teak (*Tectona grandis*)
- Elm (*Ulmus*)
- Walnut (*Juglans*)
- Willow (*Salix*)
- Hornbeam (*Carpinus*)

Implementation periods

The classifications of Regulation (EU) No 2021/849 have been applicable since 17 December 2022.

The classifications of Regulation (EU) No 2022/692 have been applicable since 23 November 2023.

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