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## **Restricted Substances Stoffverbotsliste**

Page one is only for internal KACO use

### **Comments to Substance List:**

|                     |   |
|---------------------|---|
| <b>CAS-Nr.:</b>     | The CAS-Number ensures a distinctive identification of chemical substances. If in column 1 is listed a substance-group with examples (e.g. Mercury and its compounds) the CAS-No. is written in brackets. The described requirements are valid for the whole substance-group. |
| <b>Threshold:</b>   | Substances, preparations and articles exceeding the limits specified in the substance list (section 6) must not be supplied to KACO GmbH & Co.KG.   |
| <b>Prohibited :</b> | Prohibited substances must not contain in preparations and products as chemical product or ingredients (contaminations must be declared).   |
| <b>Declarable</b>   | If preparations or products contain substances, which are classified as „declarable“, the supplier must inform the responsible purchasing department of KACO GmbH & Co.KG (e.g. by material safety data sheet).   |
| <b>general:</b>     | The limits in column 4 is valid for substances, preparations and products.  |

### **Erläuterungen und Begriffsbestimmungen:**

|                               |   |
|-------------------------------|---|
| <b>CAS-Nr.:</b>               | Durch die CAS-Nummer ist die eindeutige Kennzeichnung einer chemischen Verbindung gewährleistet. Wenn in Spalte 1 eine Substanzgruppe mit Beispielen genannt ist (siehe z.B. Zinkchromate), wurden die CAS-Nr. der Beispielsubstanz in Klammern gesetzt. Die formulierten Anforderungen gelten aber für die gesamte Substanzgruppe. |
| <b>Grenzwerte:</b>            | Stoffe, Zubereitungen und Erzeugnisse, bei denen die beschriebenen Grenzwerte überschritten werden, dürfen nicht an die KACO GmbH + Co. KG geliefert werden.  |
| <b>verboten :</b>             | verbotene Substanzen dürfen weder als Reinsubstanz noch als Bestandteil von Zubereitungen oder Erzeugnissen enthalten sein (Verunreinigungen sind stets deklarationspflichtig).   |
| <b>deklarationspflichtig:</b> | Der Lieferant muss die anfordernde Abteilung der KACO GmbH & Co. KG informieren (z.B. durch ein Sicherheitsdatenblatt), wenn in Zubereitungen oder Erzeugnissen Substanzen enthalten sind, welche als deklarationspflichtig eingestuft sind.  |
| <b>generell:</b>              | Der in Spalte 4 genannte Grenzwert gilt sowohl für Stoffe, Zubereitungen als auch Erzeugnisse.  |

| substance  | CAS-No.  | threshold    | note  |
|--|--|--------------|---|
| Acetaldehyd (Ethanal)  | 75-07-0  | Declarable   | ---   |
| Acetamid   | 60-35-5  | Declarable   | ---   |
| Aceton   | 67-64-1  | 10 ppm       | ---   |
| Acetylaminofluorid<br>(2-Acetylaminofluorid)   | 53-96-3  | prohibited   | ---   |
| Acrylamid  | 79-06-1  | 0,1 %        | declarable  |
| Acrylnitril  | 107-13-1   | prohibited   | ---   |
| Acrylsäure   | 79-10-7  | D from 0,01% | ---   |
| Aldrin   | 309-00-2   | prohibited   | ---   |
| Aliphatische (kettenförmige) chlorierte Kohlenwasserstoffe (s.a. Chlorkohlenwasserstoffe ) |  | prohibited   | ---   |
| Alkyldimethylbenzylammoniumchlorid<br>(Hyamin 3500)  | 68424-85-1<br>68989-00-4<br>8001-54-5  | Prohibited   | ---   |
| Allyloxy-epoxypropan<br>(1-Allyloxy-2,3-epoxypropan)                                       | 106-92-3   | prohibited   | ---   |
| Amide, die sekundäre Amine abspalten   |  | 0,2%         | in water-miscible and<br>water mixed cooling lubricants |
| Amine, flüchtige   |  | 1%           | declarable  |
| Amine, sekundäre   | (100-61-8<br>103-69-5<br>108-18-9<br>110-89-4<br>111-92-2<br>123-75-1<br>142-84-7<br>624-78-2) | 0,2%         | D from 0,1%   |
| Aminoazotoluol und dessen Salze<br>(o-Aminoazotoluol, 4-o-Tolyazo-o-toluidin)              | (97-56-3)  | prohibited   | ---   |
| Aminobiphenyl u. Aminophenyl und deren Salze<br>(4-Aminobiphenyl, 4-Aminophenyl)           | (92-67-1)  | prohibited   | ---   |
| Aminodiphenylamin  | 101-54-2   | Prohibited   | ---   |
| Aminoethoxynaphthalin<br>(6-Amino-2-ethoxynaphthalin)                                      |  | 0,01%        | ---   |
| Aminoethylcarbazol<br>(3-Amino-9-ethylcarbazol)  | 132-32-1   | prohibited   | ---   |
| Aminomethylpropanol<br>(2-Amino-2-methyl-1-propanol)                                       | 124-68-5   | declarable   | In water-soluble process<br>chemicals                   |
| Aminonitrotoluol<br>(2-Amino-4-nitrotoluol -Amino-4-nitrotoluol)                           | 99-55-8  | prohibited   | ---   |
| Amino-tris-methylenphosphonsäure (ATMP)  | 6419-19-8  | D from 0,1%  | ---   |
| Ammoniak   | 7664-41-7  | 5ppm         | Allowed in pressurized gas<br>cylinders                 |
| Ammoniak abspaltende Substanzen  |  | declarable   | ---   |
| Ammoniumnitrat   | 6484-52-2  | 10%          | ---   |
| Ammoniumperchlorat   | 7790-98-8  | Declarable   | ---   |

| substance   | CAS-No.   | threshold                   | note   |
|---|---|-----------------------------|--|
| Ammoniumpersulfat   | 7727-54-0   | prohibited                  | ---  |
| Ammoniumthioglykolat  | 5421-46-5   | prohibited                  | ---  |
| Anilin und seine Salze  | (62-53-3)   | prohibited                  | ---  |
| Antibiotika und Chemotherapeutika   |   | 10 ppm                      | In water-soluble process chemicals   |
| Antimon und seine Verbindungen  | (7440-36-0)   | declarable                  | ---  |
| Aramidfasern (p-Aramidfasern)   |   | declarable                  | ---  |
| aromatische Amine und deren Salze   |   | prohibited                  | ---  |
| Arsen und seine Verbindungen  | (7440-38-2)   | prohibited                  | ---  |
| Asbest- Fasern<br><br>Aktinolit<br>Amosit<br>Antophyllit<br>Chrysotil<br>Krokydolith<br>Tremolit<br>Ascarit | 132207-32-0<br>132207-33-1<br>77536-66-4<br>12172-73-5<br>77536-67-5<br>12001-29-5<br>12001-28-4<br>77536-68-6<br>1332-21-4<br>14567-73-8<br>13768-00-8<br>17068-78-9 | prohibited                  | ---  |
| Auramin<br>(4,4'-Carbonimidoylbis-N, N-dimethylanilin)  | 492-80-8<br>2465-27-2   | prohibited                  | ---  |
| Azo-Farbstoffe<br>die krebserzeugende Amine freisetzen  |   | prohibited                  | ---  |
| Barium und seine Verbindungen und Salze<br>(Ausnahme: Bariumsulfat)   | 7440-39-3   | In products:<br>D from 0,1% | Limit in water-soluble process chemicals: 10 ppm , limit in not water-soluble process chemicals: 0,02% |
| Benzalkoniumbromid<br>(Dimethylbenzylammoniumbromid)  | 7281-04-1   | D from 0,001%               | ---  |
| Benzidin und dessen Salze   | (92-87-5<br>531-85-1<br>612-85-8<br>21136-70-9)   | prohibited                  | ---  |
| Benzisothiazol-3(2H)-on<br>(1,2-Benzisothiazol-3(2H)-on)  | 2634-33-5   | Declarable                  | ---  |
| Benzol  | 71-43-2   | prohibited                  | Exception: fuel  |
| Benzoldicarbonsäure<br>(1,2-Benzoldicarbonsäure)  | 68515-41-3<br>68515-42-4<br>68515-43-5<br>68515-48-0<br>68515-49-0<br>71888-89-5  | prohibited                  | ---  |
| Benzotriazol und substituierte Benzotriazole<br>(z.B. Tolyltriazol)   |   | declarable                  | Limit in water-soluble process chemicals: 1%   |
| Benzoylchlorid  | 98-88-4   | prohibited                  | ---  |
| Benzylbutylphtalat  | 85-86-7   | prohibited                  | ---  |
| Benzylcocoalkyldimethyl-<br>ammoniumchlorid   | 61789-71-17   | D from 0,01%                | ---  |
| Beryllium und seine Verbindungen  | (7440-41-7)   | Prohibited                  | ---  |
| Beta- Alanindiessigsäure  | 6245-75-6   | D from 0,1%                 | ---  |

| substance  | CAS-No.                  | threshold                                     | note  |
|--|--------------------------|---|---|
| Biozide, Fungizide, Algizide   |                          | Declarable                                    | ---   |
| Biphenyl   | 92-52-4                  | D from 0,1%                                   | ---   |
| Bis(2-methoxyethyl)phthalat  | 117-82-8                 | prohibited                                    | ---   |
| Bis(chlormethyl)ether (BCME)   | 542-88-1                 | prohibited                                    | ---   |
| Bis-(hydroxymethyl)-harnstoff<br>(1,3-Bis-(hydroxymethyl)-harnstoff)             | 140-95-4                 | D from 1%                                     | In water-soluble process chemicals          |
| Bis(methylthio)toluenamin  | 106264-79-3              | D from 0,01%                                  | ---   |
| Bitumen  | 8052-42-4                | 1 ppm   | ---   |
| Blei, Bleiverbindungen und Bleisalze   | 7439-92-1                | prohibited                                    | In water-soluble process chemicals and dyes |
| Blei und Bleiverbindungen  | (7439-92-1)              | 0,35 % steel<br>0,4% in Al<br>4% in CU-alloys | Declarable in products and solders          |
| Borsäure   | 10043-35-3               | 5%  | In water-soluble process chemicals          |
| Borsäureverbindungen und organische Borverbindungen                              |                          | declarable                                    | In water-soluble process chemicals          |
| Brom-2-nitropropan-1,2-diol<br>(2-Brom-2-nitropropan-1,2-diol)                   |                          | 10 ppm  | In water-soluble process chemicals          |
| Bromchlormethan  | 74-97-5                  | Prohibited                                    | ---   |
| Bromchlortrifluorethan<br>(2-Brom-2-chlor-1,1,1-trifluorethan)                   | 151-67-7                 | prohibited                                    | ---   |
| Bromethan (Ethylbromid)  | 74-96-4                  | prohibited                                    | ---   |
| Bromverbindungen (organische)  |                          | Declarable                                    | In flame inhibitors                         |
| Busan (TCMTB)  | 21564-17-0               | D from 0,01%                                  | ---   |
| Butadien (1,3-Butadien)  | 106-99-0                 | prohibited                                    | ---   |
| Butanon  | 78-93-3                  | D from 0,1%                                   | ---   |
| Butanon-2-oxim (Methylethylketoxim) und<br>Butanon-2-oxim abspaltende Substanzen | 96-29-7                  | prohibited                                    | ---   |
| Butansulton (1,4-Butansulton)  | 1633-83-6                | prohibited                                    | ---   |
| Butoxybenzoesäure<br>(p-tert.-Butoxybenzoesäure)                                 |                          | 10 ppm  | In water-soluble process chemicals          |
| Butoxyepoxypropan<br>(1-tert-Butoxy-2,3-epoxypropan)                             | 7665-72-7                | prohibited                                    | ---   |
| Butylbenzylphthalat (BBP)  | 85-68-7                  | prohibited                                    | ---   |
| Butylglycidether<br>(1-Butoxy-2,3-epoxypropan)                                   | 2426-08-6                | prohibited                                    | ---   |
| Butylglykolacetat  | 112-07-2                 | D from 0,1%                                   | ---   |
| C.I. Basic Red 9   | 569-61-9                 | 0,1%  | D from 0,01%                                |
| C.I. Basic Violet 3  | 548-62-9                 | prohibited                                    | ---   |
| C.I. Direct Blue 218   | 28407-37-6<br>73070-37-8 | prohibited                                    | ---   |
| C.I. Solvent Yellow 1<br>(1-Phenylazo-2-naphthol)                                | 842-07-9                 | prohibited                                    | ---   |
| Cadmium und seine Verbindungen   | (7440-43-9)              | prohibited                                    | ---   |
| Captan   | 133-06-2                 | D from 0,01%                                  | ---   |
| Chlor 2,4.dinitrobenzol  | 97-00-7                  | prohibited                                    | ---   |

| substance   | CAS-No.  | threshold  | note                                   |
|---|--|------------|--|
| 3-Chlor-2-hydroxypropyl-trimethylammoniumchlorid  | 3327-22-8  | Prohibited | ---                                    |
| Chlor-2-methylpropan (2-Chlor-2-methylpropan)   | 507-20-0   | prohibited | ---                                    |
| Chlor-2-methylpropen (3-Chlor-2-methylpropen)   | 563-47-3   | prohibited | ---                                    |
| Chloracetamid   | 79-07-2  | prohibited | ---                                    |
| Chloranilin und dessen Salze (z.B. 4-Chloranilin)   | (106-47-8)   | Prohibited | ---                                    |
| Chlorbenzol   | 108-90-7   | Prohibited | ---                                    |
| Chlorbenzotrichlorid (4-Chlorbenzotrichlorid)   | 5216-25-1  | prohibited | ---                                    |
| Chlordan  | 57-74-9  | prohibited | ---                                    |
| Chlordecon  | 143-50-0   | prohibited | ---                                    |
| Chlordifluorethan<br>2-Chlor-1,1-difluorethan<br>1-Chlor-1,2-difluorethan<br>1-Chlor-1,1-difluorethan | 338-65-8<br>338-64-7<br>75-68-3  | prohibited | ---                                    |
| Chlordifluorpropan (R 262)  | 134190-53-7  | prohibited | ---                                    |
| Chloressigsäure   | 79-11-8  | prohibited | ---                                    |
| Chlorethan  | 75-00-3  | prohibited | ---                                    |
| Chlorethanol (2-Chlorethanol)   | 107-07-2   | Prohibited | ---                                    |
| Chlorfluorethan (R 151)   | 110587-14-9  | prohibited | ---                                    |
| Chlorfluormethan (R31)  | 593-70-4   | prohibited | ---                                    |
| Chlorfluorpropan (R 271)  | 134190-54-8  | prohibited | ---                                    |
| Chlorgehalt (Gesamtchlor)   |  | 0,01%      | In not water-soluble process chemicals |
| Chlorhexafluorpropan (R 226)  | 28987-04-4   | prohibited | ---                                    |
| Chlorkohlenwasserstoffe   |  | prohibited | ---                                    |
| Chlorkresol (ortho und metha)   | 59-50-7<br>1570-64-5   | prohibited | ---                                    |
| Chlormethan   | 74-87-3  | Prohibited | ---                                    |
| Chlornitrobenzol (1-Chlor-2-nitrobenzol, 1-Chlor-4-nitrobenzol)                                       | 88-73-3<br>100-00-5  | prohibited | ---                                    |
| Chloroform (Trichlormethan)   | 67-66-3  | prohibited | ---                                    |
| Chlor-o-phenylendiamin (4-Chlor-o-phenylendiamin)   | 95-83-0  | prohibited | ---                                    |
| Chlor-o-toluidin, (4-Chlor-o-toluidin)  | 95-69-2  | prohibited | ---                                    |
| Chlor-o-toluidin, (5-Chlor-o-toluidin)  | 95-79-4  | prohibited | ---                                    |
| Chlor-o-toluidiniumchlorid (4-Chlor-o-toluidiniumchlorid)   | 3165-93-3  | prohibited | ---                                    |
| Chlorparaffine, Chloralkane (unspezifiziert oder spezifiziert)  | (61788-76-9)<br>(85535-84-8)<br>(71011-12-6)<br>(63449-39-8)<br>(85422-92-0) | prohibited | ---                                    |
| Chlorpentafluorpropan ( R 235)  | 108662-83-5  | prohibited | ---                                    |
| Chlorpren (2-Chlor.1,3butadien); Polychlorpren  | 126-99-8   | prohibited | ---                                    |

| substance   | CAS-No.                         | threshold    | note         |
|---|---------------------------------|--------------|--------------|
|   | 9010-98-4                       |              |              |
| Chlorpromazin   | 69-09-0<br>50-53-3              | prohibited   | ---          |
| Chlorpyrifos  | 2921-88-2                       | Prohibited   | ---          |
| Chlorsulfoniertes Polyethylen   | 68037-39-8                      | Prohibited   | ---          |
| Chlortetrafluorethan<br>(2-Chlor-1,1,1,2-tetrafluorethan<br>1-Chlor-1,1,2,2-tetrafluorethan)                    | 2837-89-0<br>354-25-6           | prohibited   | ---          |
| Chlortetrafluorpropan (R 244)   | 134190-50-4                     | prohibited   | ---          |
| Chlortoluron  | 15545-48-9                      | prohibited   |              |
| Chlortrifluorethan<br>1-Chlor-1,2,2-trifluorethan<br>2-Chlor-1,1,1-trifluorethan<br>1-Chlor-1-1-2-trifluorethan | 431-07-2<br>75-88-7<br>421-04-5 | prohibited   | ---          |
| Chlortrifluorpropan (R 32, R253fb)  | 26588-23-8<br>460-35-5          | prohibited   | ---          |
| Chrom   | 7447-40-3                       | Declarable   |              |
| Chrom(VI)-Verbindungen<br>z.B. Chromate Chromtrioxid  |                                 | prohibited   | ---          |
| Cobalt und Cobaltverbindungen   | (744-48-4)                      | Declarable   | ---          |
| Cobalt(II)acetat-Tetrahydrat  | 6147-53-1                       | prohibited   | ---          |
| Cobalt(II)nitrat-Hexahydrat   | 1002-22-9                       | prohibited   | ---          |
| Cobalt(II)sulfat-Heptahydrat  | 1002-24-1                       | prohibited   | ---          |
| Cobaltcarbonat  | 513-79-1                        | prohibited   | ---          |
| Cobaltdichlorid   | 7646-79-9<br>7791-13-1          | prohibited   | ---          |
| Cobaltoxid  | 1307-96-6                       | prohibited   | ---          |
| Cobaltsulfat  | 10124-43-3                      | 0,01%        | declarable   |
| Cobaltsulfid  | 1317-42-6                       | prohibited   | ---          |
| Cristobalit   | 14464-46-1                      | D from 0,01% | ---          |
| Cumol (Isopropylbenzol)   | 98-82-8                         | declarable   | ---          |
| Cumolhydroperoxid<br>(1-Methyl-1-phenylethylhydroperoxid)   | 80-15-9                         | D from 0,01% | ---          |
| Cupferon  | 135-20-6                        | prohibited   | ---          |
| Cyanide   |                                 | declarable   | ---          |
| Cyclohexandicarbonsäureanhydrid   | 85-42-7                         | prohibited   | ---          |
| Cyclohexan  | 110-82-7                        | D from 0,01% | ---          |
| Cyclohexanon  | 108-94-1                        | 1000 ppm     | ---          |
| Cycloheximid  | 66-81-9                         | 0,5%         | D from 0,01% |
| Cyclohexylendinitrilotetraessigsäure  | 13291-61-7                      | D from 0,1%  | ---          |
| DDT 1,1,1-Trichlor-2,2-bis-4-chlorphenyl) -ethan  | 50-29-3                         | prohibited   | ---          |
| Decabrom-1,1-diphenyl   | 13654-09-6                      | Prohibited   | ---          |

| substance  | CAS-No.  | threshold    | note |
|--|--|--------------|------|
| DHTDMAC  | 61789-80-8   | Declarable   | ---  |
| Diacetonalkohol  | 123-42-2   | prohibited   | ---  |
| Diaminoanisol und dessen Salze<br>(2,4-Diaminoanisol)  | 615-05-4   | prohibited   | ---  |
| Diaminobenzidin und seine Salze<br>(3,3-Diaminobenzidin)   | (91-95-2)  | prohibited   | ---  |
| Diaminodiethyltoluol   | 2095-01-4<br>2095-02-5                                       | D from 0,01% | ---  |
| Diaminodiphenylmethan<br>(4,4-Diaminodiphenylmethan,<br>Methylendianilin)  | 101-77-9   | prohibited   | ---  |
| Diazinon (0,0-Diethyl-(2-isopropyl-6-<br>methylpyrimidin-4-yl)thiophosphat)  | 333-41-5   | D from 0,1%  | ---  |
| Dibrom-2,4-dicyanbutan<br>(1,2-Dibrom-2,4-dicyanbutan)   | 35691-65-7   | prohibited   | ---  |
| Dibromchlorpropan<br>(1,2-Dibrom-3-chlorpropan)  | 96-12-8  | prohibited   | ---  |
| Dibutylphthalat (DBP)<br>Diocetylphthalat (DOP)<br>Diethylhexylphthalat (DEHP)   | 84-74-2<br>117-84-0<br>117-81-7                              | prohibited   | ---  |
| Dichloracetylen  | 7572-29-4  | prohibited   | ---  |
| Dichlorbenzidin und dessen Salze<br>(3,3-Dichlorbenzidin)  | (91-94-1)  | prohibited   | ---  |
| Dichlorbenzol (1,2-Dichlorbenzol)  | 95-50-1  | Prohibited   | ---  |
| Dichlorbenzol (1,4-Dichlorbenzol)  | 106-46-7   | prohibited   | ---  |
| Dichlorbuten (1,4-Dichlorbuten-2)  | 764-41-0   | prohibited   | ---  |
| Dichlordiethylsulfid (2,2' Dichlordiethylsulfid)   | 505-60-2   | prohibited   | ---  |
| Dichlordifluorethan<br>1,2-Dichlor-1,2-difluorethan (R 132)<br>1,1-Dichlor-1,2-difluorethan (R132a)<br>1,2-Dichlor-1,1-difluorethan (R 132b) | 431-06-1<br>471-43-2<br>1649-08-7                            | prohibited   | ---  |
| Dichlordifluorpropan (R 252)   | 134190-52-6  | prohibited   | ---  |
| Dichlorethan<br>1,1 Dichlorethan<br>1,2 Dichlorethan   | 75-34-3<br>107-06-2  | prohibited   | ---  |
| Dichlorethylen<br>(1,1-Dichlorethen, Vinylidenchlorid)   | 75-35-4  | prohibited   | ---  |
| Dichlorfluorethan<br>1,2-Dichlor-1-fluorethan<br>1,1-Dichlor-2-fluorethan<br>1,1-Dichlor-1-fluorethan  | 430-57-9<br>430-53-5<br>1717-00-6                            | prohibited   | ---  |
| Dichlorfluormethan (R 21)  | 75-43-4  | prohibited   | ---  |
| Dichlorfluorpropan (R 261)   | 127404-11-9  | prohibited   | ---  |
| Dichlorhexafluorpropan<br>(R 216, R 216aa, R 216ba, R 216ca)   | 661-97-2<br>1652-80-8<br>2729-28-4<br>42560-98-5<br>662-01-1 | prohibited   | ---  |
| Dichlormethan, Methylenchlorid   | 75-09-2  | prohibited   | ---  |
| Dichlormethoxyethan<br>(1,2-Dichlormethoxyethan)   | 41683-62-9   | prohibited   | ---  |
| Dichlormethylendianilin u. dessen Salze<br>(2,2-Dichlor-4,4-methylendianilin,  | (101-14-4)   | prohibited   | ---  |

| substance  | CAS-No.  | threshold    | note                                  |
|--|--|--------------|---------------------------------------|
| 4,4-Methylen-bis-2-chloranilin)  |  |              |                                       |
| Dichlorpentafluorpropan<br>(R 225, R 225 aa, R 225ba, R 225bb,<br>R 225ca, R225 cb, R 225da)   | 127564-92-5<br>128903-21-9<br>422-48-0<br>422-44-6<br>422-56-0<br>422-56-1<br>431-86-7<br>507-55-1 | prohibited   | ---                                   |
| Dichlorphenoxyessigsäure   | 94-75-7  | Prohibited   | ---                                   |
| Dichlorpropanol<br>(1,3-Dichlor-2-propanol)  | 96-23-1  | prohibited   | declarable                            |
| Dichlorpropen<br>(cis und trans 1,3-Dichlorpropen)   | 542-75-6   | prohibited   | ---                                   |
| Dichlortetrafluorpropan (R 234)  | 127564-83-4  | prohibited   | ---                                   |
| Dichlortrifluoethan<br>2,2-Dichlor-1,1,1-trifluoethan R123<br>1,2-Dichlor-1,1,2-trifluoethan R123a<br>1,1-Dichlor-1,2,2-trifluoethan R123b | 306-83-2<br>354-23-4<br>812-04-4   | prohibited   | ---                                   |
| Dichlortrifluorpropan (R 243)  | 116890-51-8  | prohibited   | ---                                   |
| Dichlorvos   | 62-73-7  | Prohibited   | ---                                   |
| Dicumylperoxid   | 80-43-3  | D from 0,01% | ---                                   |
| Didecyldimethylammoniumchlorid   | 7173-51-5  | D from 0,01% | ---                                   |
| Dieldrin   | 60-57-1  | prohibited   | ---                                   |
| Diepoxybutan<br>(1,3-Butadiendiepoxyd)   | 1464-53-5  | prohibited   | ---                                   |
| Diethanolamin (DEA), frei und gebunden   | 111-42-2   | 0,2%         | D from 0,1%                           |
| Diethylamin  | 109-89-7   | prohibited   | ---                                   |
| Diethylenglykol  | 111-46-6<br>111-90-0   | Declarable   | ---                                   |
| Diethylenglykoldiethylether  | 112-36-7   | D from 0,1%  | ---                                   |
| Diethylenglykoldimethylether   | 111-96-6   | 0,3%         | D from 0,01%                          |
| Diethylenglykolmethylether   | 111-77-3   | D from 0,1%  | ---                                   |
| Diethylenglykolmonobutylether (Butylglykol)  | 112-34-5   | declarable   | In water-soluble process<br>chemicals |
| Diethylentriaminpentaessigsäure  | 67-43-6<br>140-01-2  | D from 0,1%  | ---                                   |
| Diethyltrinitrilopentamethylen-<br>phosphonsäure   | 15827-60-8   | D from 0,1%  | ---                                   |
| Diethylmethylbenzoldiamin  | 68479-98-1   | D from 0,1%  | ---                                   |
| Diethylphthalat  | 84-66-2  | D from 0,1%  | ---                                   |
| Difluorethen<br>(1,1-Difluorethen, R1132a)   | 75-38-7  | prohibited   | ---                                   |
| Diglycidether  | 2238-07-5  | prohibited   | ---                                   |
| Diglycidylresorcinether<br>(1,3-Bis(2,3-epoxypropoxy)-benzol)  | 101-90-6   | prohibited   | ---                                   |
| Diisononylphthalat (DINP)<br>Diisodezylphthalat (DIDP)   | 28553-12-0<br>1410-61-8  | declarable   | ---                                   |



| substance   | CAS-No.  | threshold    | note         |
|---|--|--------------|--------------|
| Diisopentylphthalat (DIPP)  | 605-50-5   | prohibited   | ---          |
| Dimethoxybenzidin und dessen Salze<br>(3,3' Dimethoxybenzidin)  | (119-90-4)   | prohibited   | ---          |
| Dimethoxyethan (Dimethoxyethan)   | 110-71-4   | prohibited   | ---          |
| Dimethyl-1-hexin-3-ol<br>(3,5-Dimethyl-1-hexin-3-ol)  | 107-54-0   | declarable   | ---          |
| Dimethyl-4-octin-3,6-diol<br>(3,6-Dimethyl-4-octin-3,6-diol)  | 78-66-0  | declarable   | ---          |
| Dimethylacetamid<br>(N,N-Dimethylacetamid)  | 127-19-5   | prohibited   | ---          |
| Dimethylamin  | 124-40-3   | prohibited   | ---          |
| Dimethylaminoazobenzol<br>(4-Dimethylaminoazobenzol)  | 60-11-7  | Prohibited   | ---          |
| Dimethylbenzidin und dessen Salze<br>(3,3' Dimethylbenzidin)  | 119-93-7   | prohibited   | ---          |
| Dimethylcarbamoylchlorid  | 79-44-7  | prohibited   | ---          |
| Dimethyldiaminodiphenylmethan und dessen<br>Salze (3,3-Dimethyl-4,4-<br>diaminodiphenylmethan)  |  | prohibited   | ---          |
| Dimethyldistearylammoniumchlorid (DSDMAC)   | 107-64-2   | Declarable   | ---          |
| Dimethylformamid<br>(N,N-Dimethylformamid, DMF)   | 68-12-2  | prohibited   | ---          |
| Dimethylhydrogenphosphit  | 868-85-9   | prohibited   | ---          |
| Dimethylpentan  | 108-08-7<br>565-59-3<br>590-35-2   | D from 0,01% | ---          |
| Dimethylsulfat  | 77-78-1  | prohibited   | ---          |
| Dimethyltoluidin  | 99-97-8<br>121-72-7<br>609-72-3  | D from 0,01% | ---          |
| Dinatrium- 4-amino-3-[[4-[(2,4-diamino-<br>phenyl)azo][1,1-biphenyl]-4-yl]azo]-5-hydroxy-<br>6-(phenyl)azo)naphthalin-2,7-disulfonat  | 1937-37-7  | 0,01%        | D from 0,01% |
| Dinatrium-[5-[(4-((2,6-dihydroxy-3-((2-hydroxy-<br>5-sulfophenyl)azo) phenyl)azo)(1,1-biphenyl)-4-<br>yl)azo]salicylato(4-)]cuprat(2) | 16071-86-6   | 0,1%         | D from 0,01% |
| Dinatrium-3,3-[[1,1-biphenyl]-4,4-diylbis-<br>(azo)]bis(4-aminonaphthalin-1-sulfonat)   | 573-58-0   | 0,1%         | D from 0,01% |
| Dinitronaphthaline (alle Isomere)   | 27478-34-8   | prohibited   | ---          |
| Di-ortho-Tolylguanidin<br>(N,N-Bis(2methylphenyl)guanidin)  | 97-39-2  | declarable   |              |
| Dioxan (1,4-Dioxan)   | 123-91-1   | prohibited   | ---          |
| Dioxine und Furane<br>(chloriert oder bromiert),<br>Polychlorierte oder polybromierte<br>Diphenylether (PCDE, PBDE)                   | (1163-19-5)  | prohibited   | ---          |
| Diphenylamin  | 122-39-4   | Declarable   | ---          |
| Diphenylether, polychloriert oder polybromiert<br>(PCDE, PBDE, OBDE)  | (1163-19-5<br>2050-47-7<br>32534-81-9<br>32536-52-0<br>36483-60-0<br>40088-47-9<br>49490-94-0<br>68928-80-3) | Prohibited   | ---          |

| substance   | CAS-No.                           | threshold           | note                               |
|---|-----------------------------------|---------------------|------------------------------------|
| Diphenylmethy-4,4-diisocyanat (MDI)                                     | 101-68-8<br>9016-87-9             | prohibited          | ---                                |
| Dipropylenglykol  | 110-98-5                          | declarable          | In water-soluble process chemicals |
| Direct blue 6   | 2602-46-2                         | 0,1%                | D from 0,01%                       |
| Disperse Blue 1   | 2475-45-8                         | 0,1%                | D from 0,01%                       |
| Dithio(bis)benzothiazol   | 120-78-5                          | 0,01%               | ---                                |
| Diuron  | 330-54-1                          | 0,01%               | ---                                |
| DSDMAC  | 107-64-2                          | Declarable          | ---                                |
| DTDMAC  | 68783-78-8                        | Agreement necessary | ---                                |
| Endrin  | 72-20-8                           | Prohibited          | ---                                |
| Epichlorhydrin<br>(1-Chlor-2,3-epoxypropan)                             | 106-89-8                          | prohibited          | ---                                |
| Epoxybutan (1,2 Epoxybutan)   | 106-88-7                          | prohibited          | ---                                |
| Epoxythylepoxycyclohexan<br>(1-Epoxyethyl-3,4-epoxycyclohexan)          | 106-87-6                          | prohibited          | ---                                |
| Erionit (Faserzeolith)  | 12510-42-8<br>66733-21-9          | 0,1%                | D from 0,01%                       |
| Etacelasil  | 37894-46-5                        | 0,5%                | D from 0,01%                       |
| Ethandiol   | 107-21-1                          | D from 0,1%         | ---                                |
| Ethanolamin (2-Aminoethanol)  | 141-43-5                          | 1%                  | declarable                         |
| Ethen (Ethylen)   | 74-85-1                           | prohibited          | ---                                |
| Ethoxy- und 2-Methoxyethylacetat  | 111-15-9<br>110-49-6              | prohibited          | ---                                |
| Ethoxypropanol  | 19089-47-5                        | D from 0,1%         | ---                                |
| Ethyl- und Methylglykol; Glycolether;<br>2-Ethoxy- und 2-Methoxyethanol | 110-80-5<br>109-86-4              | prohibited          | ---                                |
| Ethylacrylat  | 140-88-5                          | prohibited          | ---                                |
| Ethylbenzol   | 100-41-4                          | D from 0,1%         | ---                                |
| Ethylendiamin   | 107-15-3                          | 10 ppm              | In water-soluble process chemicals |
| Ethylendiamintetraessigsäure (EDTA)<br>und deren Salze                  | (60-00-4<br>64-02-8<br>7379-28-4) | prohibited          | ---                                |
| Ethylendiamintetramethylenphosphonsäure                                 | 1429-50-1                         | D from 0,1%         | ---                                |
| Ethylenglykolbutyletheracetat   | 124-17-4                          | D from 0,1%         | ---                                |
| Ethylenglykol- bis (betaaminoethylether)-N,N-<br>tetraessigsäure        | 67-42-5                           | D from 0,1%         | ---                                |
| Ethylenglykoldiethylether   | 629-14-1                          | D from 0,1%         | ---                                |
| Ethylenglycolmonobutylether<br>(Buthylglycol, 2-Butoxyethanol)          | 111-76-2                          | 1%                  | declarable                         |
| Ethylenglykolphenylether  | 122-99-6                          | D from 0,1%         | ---                                |
| Ethylenimin (Aziridin)  | 151-56-4                          | prohibited          | ---                                |
| Ethylenoxid (Oxiran)  | 75-21-8                           | 0,1%                | D from 0,01%                       |

| substance   | CAS-No.   | threshold     | note |
|---|---|---------------|------|
| Ethylenthioharnstoff<br>(Imidazolidin-2-thion)  | 96-45-7   | prohibited    | ---  |
| Ethylformiat  | 109-94-4  | D from 0,1%   | ---  |
| Ethylglykolpropyletheracetat  | 20706-25-6  | D from 0,1%   | ---  |
| Ethylhexylacrylat<br>(2-Ethylhexylacrylat)  | 103-11-7  | D from 0,01%  | ---  |
| Ethylhexylbismethylethylhydroxy-<br>phenylmethylthioacetat<br>(2-Ethylhexyl-3,5-bis(1,1-methylethyl)-4-<br>hydroxy-phenylmethylthioacetat)  | 80387-97-9  | 0,5%          | ---  |
| Fluorbromkohlenwasserstoffe (HBFCs)   |   | prohibited    | ---  |
| Fluorchlorkohlenwasserstoffe (FCKW,HCFC)<br>und sonstige Ozon abbauende Substanzen<br>Trichlorfluormethan R11,<br>Dichlordifluormethan R12,<br>Chlortrifluormethan R13,<br>Tetrachlordifluorethan R112,<br>Trichlortri-fluorethan R113,<br>Dichlortetrafluorethan R114,<br>Chlorpentafluorethan R115,<br>Chlordifluormethan R22 | 75-69-4<br>75-71-8<br>75-72-9<br>76-12-0<br>76-13-1<br>76-14-2<br>76-15-3<br>75-45-6<br>1320-37-2<br>26523-64-8<br>354-58-5<br>374-07-2 | prohibited    | ---  |
| Fluorkohlenwasserstoffe (HFCs)  |   | prohibited    | ---  |
| Flußsäure und deren Salze   | (7664-39-3)   | Declarable    | ---  |
| Formaldehyd (Methanal)  | 50-00-0   | prohibited    | ---  |
| Formaldehydabspaltende Substanzen   |   | Declarable    | ---  |
| Furfural  | 98-01-1   | prohibited    | ---  |
| Glutardialdehyd (Glutaral)  | 111-30-8  | Declarable    | ---  |
| Glycerylmonothioglykolat  | 30518-84-9  | prohibited    | ---  |
| Glycidol (2,3-Epoxy-1-propanol)   | 556-52-5  | 0,1%          | ---  |
| Glycidyltrimethylammoniumchlorid  | 3033-77-0   | prohibited    | ---  |
| Halone<br>Bromchlordifluormethan (1211)<br>Bromtrifluormethan (1301)<br>Dibromtetrafluorethan (2402)  | 353-59-3<br>75-63-8<br>124-73-2   | prohibited    | ---  |
| Heptachlor  | 76-44-8   | prohibited    | ---  |
| Heptachlorfluorpropan (R211)  | 422-78-6<br>135401-87-5<br>422-81-1   | prohibited    | ---  |
| Heptan (n-Heptan)   | 142-82-5  | D from 0,01%  | ---  |
| Hexabromcyclododecan  | 25637-99-4  | Prohibited    | ---  |
| Hexachlorbenzol   | 118-74-1  | Prohibited    | ---  |
| Hexachlorbiphenyl   | 33979-03-2  | D from 0,001% | ---  |
| Hexachlorbutadien   | 87-68-3   | prohibited    | ---  |
| Hexachlorcyclohexan, Lindan<br>(alpha-HCH, beta-HCH, gamma-HCH, delta-<br>HCH)  | 608-73-1<br>58-89-9<br>319-84-6<br>319-85-7   | prohibited    | ---  |

| substance   | CAS-No.  | threshold     | note   |
|---|--|---------------|--|
|   | 319-86-8   |               |  |
| Hexachlordifluorpropan (R212)   | 76546-99-3<br>134452-44-1<br>1599-44-6<br>1645-71-2<br>3182-26-1<br>661-96-1 | Prohibited    | ---  |
| Hexachlorethan  | 67-72-1  | prohibited    | ---  |
| Hexachlorfluorpropan (R 221)  | 29470-94-8   | prohibited    | ---  |
| Hexamethylphosphorsäuretriamid  | 680-31-9   | prohibited    | ---  |
| Hexamine  |  | Declarable    | ---  |
| Hexan (n-Hexan)   | 107-83-5<br>110-54-3   | Declarable    | ---  |
| Hexanol (1-Hexanol)   | 111-27-3   | 25%           | in lubricants or cold cleaners                     |
| Hexylenglykol   | 107-41-5   | declarable    | In water-soluble process chemicals                 |
| Hydrazin und dessen Salze   | (302-01-2)   | 0,1%          | declarable   |
| Hydrazinhydrat  | 10217-52-4<br>7803-57-8  | 0,1%          | D from 0,01%                                       |
| Hydrochinon (1,4-Dihydroxybenzol)   | 123-31-9   | D from 10 ppm | ---  |
| Hydroxyethan-1,1-diphosphonsäure (HEDP)   | 2809-21-4  | D from 0,1%   | ---  |
| Hydroxyethylacrylat   | 818-61-1   | D from 0,01%  | ---  |
| Hydroxyethylendiamintriessigsäure   | 150-39-0   | D from 0,1%   | ---  |
| Hydroxylamin  | 7803-49-8  | 0,01%         | ---  |
| Hydroxylaminsulfat  | 10039-54-0   | D from 0,01%  | ---  |
| Iodcarbamate z.B. IPBC<br>(3-Iod-2-propinyl-n-butylcarbamate)                                   | (55406-53-6)   | declarable    | ---  |
| Isobutylparahydroxybenzoat  | 4247-02-3  | D from 0,01%  |  |
| Isocyanate, Diisocyanate  |  | declarable    | ---  |
| Isocyanursäuretriglycidylester TGIC<br>(Triglycidylisocyanurat)                                 | 2451-62-9  | prohibited    | ---  |
| Isophoron<br>(3,5,5-Trimethyl-2-cyclohexen-1-on)  | 78-59-1  | D from 0,01%  | D from 0,1%  |
| Isopropanolamin<br>(1-Amino-2-propanol)   | 78-96-6  | declarable    | In water-soluble process chemicals                 |
| Isopropoxyethanol<br>(2-Isopropoxyethanol)  | 109-59-1   | D from 0,1%   | ---  |
| Isopropylether  | 108-20-3   | D from 0,1%   | ---  |
| Isopropylidendiphenol<br>(4,4-Isopropylidendiphenol)  | 80-05-7  | prohibited    | ---  |
| Isothiazoline I<br>1,2-Benzisothiazolin-3-(2H)-on,<br>4,5-Dichlor-2-methyl-4-Isouthiazolin-3-on |  | declarable    | Limit for water-soluble process chemicals: 10 ppm: |
| Isothiazoline II<br>5-Chlor-2-methyl-4-Iso-thiazolin-3-on,<br>2-Methyl-4-Isouthiazolin-3-on     | (26172-55-4)<br>(2682-20-4)  | prohibited    | ---  |
| Kaliumbromat  | 7758-01-2  | 0,1%          | ---  |

| substance   | CAS-No.                                      | threshold    | note   |
|---|--|--------------|--|
| Kaliumkresylat  | 12002-51-6                                   | declarable   | ---  |
| Kathon CG   | 55965-84-9                                   | declarable   | ---  |
| Kolophonium (rosin)   | 8050-09-7<br>8052-10-6<br>73138-82-6         | Declarable   | ---  |
| Kresol (o,m und p)<br>(Methylphenole)   | 108-39-4<br>106-44-5<br>95-48-7<br>1319-77-3 | D from 0,01% | ---  |
| Kresylglycidylether   | 26447-14-3                                   | prohibited   | ---  |
| Kupfer und seine Verbindungen   |  | Declarable   | Limit for water-soluble process chemicals: 10ppm |
| Lauryldimethylbenzylammoniumchlorid   | 139-07-1                                     | D from 0,01% | ---  |
| Limonen (Dipenten)  | 138-86-3<br>5989-27-5                        | D from 0,01% | ---  |
| Magenta   | 632-99-5                                     | prohibited   | ---  |
| Magnesiumsulfat   | 7785-87-7                                    | D from 0,01% | ---  |
| Mercaptobenzothiazol  | 149-30-4                                     | D from 0,01% | ---  |
| Mesityloxid<br>(4-Methyl-3-penten-2-on)   | 141-79-7                                     | prohibited   | ---  |
| Methanol  | 67-56-1                                      | 10 ppm       | declarable                                       |
| Methoxy-1-methylacetat<br>(2-Methoxy-1-methylethylacetat)                         | 108-65-6                                     | D from 0,1%  | ---  |
| Methoxyanilin<br>(2-Methoxyanilin, o-Ansidin)                                     | 90-04-0                                      | prohibited   | ---  |
| Methoxyethanol (2-Methoxyethanol)   | 109-86-4                                     | prohibited   | ---  |
| Methoxymethylanilin<br>(2-Methoxy-5-methylanilin, p-Kresidin)                     | 120-71-8                                     | 0,01%        | ---  |
| Methoxymethylanilin-Salze<br>(2-Methoxy-5-methylanilin-Salze<br>p-Kresidin-Salze) |  | prohibited   | ---  |
| Methoxypropanol<br>(2-Methoxy-1-propanol)   | 1589-47-5<br>1320-67-8                       | prohibited   | ---  |
| Methoxypropylacetat-1<br>(2-Methoxypropylacetat-1)                                | 70657-70-4                                   | prohibited   | ---  |
| Methyl-2-benzimidazolcarbammat  | 10605-21-7                                   | D from 0,01% | ---  |
| Methylacrylamidomethoxyacetat   | 77402-03-0                                   | 0,1%         | declarable                                       |
| Methylamin  | 74-89-5                                      | prohibited   | ---  |
| Methylanilin und dessen Salze<br>(2-Methylanilin, o-Toluidin)                     | (95-53-4)                                    | prohibited   | ---  |
| Methylbromid (Brommethan)   | 74-83-9                                      | prohibited   | ---  |
| Methylbutylketon  | 591-78-6                                     | D from 0,01% | ---  |
| Methylcyclohexan  | 108-87-2                                     | D from 0,01% | ---  |
| Methyldihydroisothiazolon<br>(2-Methyl-2,3-dihydroisothiazol-3-on)                |  | declarable   | ---  |
| Methylen-bis(5-methyl)oxazolidin  | 66204-44-2                                   | D from 0,01% | ---  |
| Methylenbis(N,N-dimethylanilin<br>(4,4'-Methylenbis(N,N-dimethylanilin)           | 101-61-1                                     | prohibited   | ---  |

| substance  | CAS-No.                                | threshold    | note                               |
|--|--|--------------|------------------------------------|
| Methylenbismethylanilin  | 838-88-0                               | 0,1%         | D from 0,01%                       |
| Methylen-bis-Morpholin   |  | 10 ppm       | In water-soluble process chemicals |
| Methylformiat  | 107-31-3                               | D from 0,1%  | ---                                |
| Methylhexan  | 589-34-4<br>519-76-4                   | D from 0,01% | ---                                |
| Methyl-Methacrylat (MMA)   | 80-62-6                                | D from 0,01% | ---                                |
| Methylolchloracetamid<br>(N-Methylolchloracetamid)   | 2832-19-1                              | prohibited   | ---                                |
| Methylpentan-2-on (4-Methylpentan-2-on)  | 108-10-1                               | D from 0,1%  | ---                                |
| Methylphenylendiamin<br>(4-Methyl-m-phenylendiamin)  | 95-80-7                                | 0,1%         | D from 0,01%                       |
| Methylpyrrolidon   | 872-50-4                               | D from 0,1%  | ---                                |
| Michlers Keton<br>(4,4'-Bis(dimethylamino)benzophenon)   | 90-94-8                                | prohibited   | ---                                |
| Mirex  | 2385-85-5                              | Prohibited   | ---                                |
| Molybdän-Orange YE 428D  | 37268-42-1                             | 0,1%         | D from 0,001%                      |
| Molybdän-Orange YE 98D   | 50935-72-3                             | 0,1%         | D from 0,001%                      |
| Molybdän-Rot   | 12656-85-8                             | 0,1%         | D from 0,001%                      |
| Monochlorheptafluorpropan (R217, R217ba)   | 30143-46-5<br>422-86-6<br>76-18-6      | prohibited   | ---                                |
| Monomethyldibromdiphenylmethan (DBBT)  | 99688-47-8                             | prohibited   | ---                                |
| Monomethyldichlordiphenylmethan<br>(Ugilec 21 oder 21)   | 3547-04-4<br>81161-70-6                | prohibited   | ---                                |
| Monomethyltetrachlordiphenylmethan<br>(Ugilec 141)   | 76253-60-6                             | prohibited   | ---                                |
| Monuron  | 150-68-5                               | D from 0,01% | ---                                |
| Morpholin und nitritfreisetzende Morpholinverbindungen, z. B. N-Nitrosomorpholin                 | 110-91-8<br>59-89-2                    | 0,0001%      | ---                                |
| Morpholin-4-carbonylchlorid  | 15159-40-7                             | prohibited   | ---                                |
| Moschus-Xylol<br>1-tert-Butyl-3,5-dimethyl-2,4,6trinitrobenzol                                   | 81-15-2                                | prohibited   |                                    |
| N,N'-ditolyl-p-phenylendiamin<br>N,N'-dixyl-p-phenylendiamin<br>N-toly-n'-xylyl-p-phenylendiamin | 27417-40-9<br>28726-30-9<br>70290-05-5 | D from 0,1%  | ---                                |
| Naphtylamine und deren Salze<br>(2-Naphtylamin, 1-Naphtylamin)                                   | (91-59-8)<br>(134-32-7)                | prohibited   | ---                                |
| Natriumazid  | 26628-22-8                             | Declarable   |                                    |
| Natriumchlorat   | 7775-09-9                              | D from 0,1%  | ---                                |
| Natriumhypochlorit   | 7681-52-9                              | D from 0,1%  | ---                                |
| Natriummetabisulfit  | 7681-57-4                              | prohibited   | ---                                |
| Natriummetasilikat   | 6834-92-0                              | Declarable   | ---                                |
| Natriumpyrithion (2-Pyridinthiol-1-oxid)   | 3811-73-2<br>115922-78-8               | 5%           | D from 0,1%                        |
| Natriumtetraborat (Borax)  | 1330-43-4                              | 5%           | In water-soluble process chemicals |

| substance  | CAS-No.  | threshold    | note                               |
|--|--|--------------|------------------------------------|
| N-Ccyclohexyl-N-phenylendiamin   | 101-87-1   | prohibited   | ---                                |
| Nickel und seine Verbindungen  | (7440-02-0)  | 0,1%         | declarable                         |
| Nickelacetat   | 373-02-4   | prohibited   | ---                                |
| Nickelcarbonat   | 3333-67-3  | 1%           | ---                                |
| Nickelchlorid  | 7718-54-9  | prohibited   | ---                                |
| Nickeldihydroxid   | 12054-48-7   | 1%           | ---                                |
| Nickeldioxid   | 12035-36-8   | prohibited   | ---                                |
| Nickelmonoxid  | 1313-99-1  | prohibited   | ---                                |
| Nickelsulfat   | 7786-81-4  | prohibited   | ---                                |
| Nickelsulfid   | 16812-54-7   | prohibited   | ---                                |
| Nickeltetracarbonyl  | 13463-39-3   | prohibited   | ---                                |
| Nickeltrioxid<br>(Dinickeltrioxid)   | 1314-06-3  | prohibited   | ---                                |
| Nitrate  |  | 50 ppm       | In water-soluble process chemicals |
| Nitrioltriessigsäure (NTA) und deren Salze   | (139-13-9)<br>(5064-31-3)                          | D from 1 ppm | ---                                |
| Nitrite und nitritfreisetzend (nitrosierende) Verbindungen (z.B. org. Nitroverbindungen) |  | Declarable   | ---                                |
| Nitroaminophenol<br>(2-Nitro-4-aminophenol)  | 119-34-6   | prohibited   | ---                                |
| Nitroanilin (4-Nitroanilin)  | 100-01-6   | D from 0,1%  | ---                                |
| Nitrobenzol  | 98-95-3  | D from 0,1%  | ---                                |
| Nitrobiphenyle<br>(z.B. 4-Nitrobiphenyl)   | (92-93-3)  | prohibited   | ---                                |
| Nitrocellulose   | 9004-70-0  | declarable   | ---                                |
| Nitro-o-toluidiniumchlorid<br>(5-Nitro-o-toluidiniumchlorid)                             | 51085-52-0   | prohibited   | ---                                |
| Nitro-p-phenylendiamin<br>(2-Nitro-p-phenylendiamin)                                     | 5307-14-2  | prohibited   | ---                                |
| Nitropropan (2-Nitropropan)  | 79-46-9  | 0,001%       | ---                                |
| Nitropyrene<br>(Mono-, Di-, Tri-, Tetra-), Isomere                                       | 5522-43-0  | prohibited   | ---                                |
| Nitrosamine, N-Nitrosaminverbindungen  | (1116-54-7<br>55-18-5<br>621-64-7<br>62-75-9)      | prohibited   | ---                                |
| Nitrosoamide   |  | 0,1%         | ---                                |
| Nitrotoluol (2-Nitrotoluol)  | 88-72-2  | prohibited   | ---                                |
| N. Methyl-N-2,4,6-tetranitroanilin   | 479-45-8   | prohibited   | ---                                |
| N-Nitrosopiperidin   | 100-75-4   | D from 0,1%  | ---                                |
| N-Nitrosopyrrolidin  | 930-55-2   | D from 0,1%  | ---                                |
| Nonylphenol und dessen Ethoxylate<br>(4-Nonylphenol, 4-Nonylphenoethoxylat)              | (104-40-4<br>104-40-5<br>25154-52-3<br>84852-15-3) | prohibited   | ---                                |

| substance   | CAS-No.  | threshold         | note   |
|---|--|-------------------|--|
| Octyl-2H-isothiazol-3-on<br>(2-Octyl-2H-isothiazol-3-on)                          | 26530-20-1   | declarable        | Limit for water-soluble process chemicals: 0,05% |
| Octylphenol und dessen Ethoxylate<br>(4-Octylphenol, 4-Octylphenoethoxylat)       | (1806-26-3)(140-66-9)  | prohibited        | ---  |
| Oktan   | 111-65-9   | D from 0,1%       | ---  |
| Olaquinox   | 23696-28-8   | prohibited        | ---  |
| Oxidianilin<br>(4,4-Oxidianilin, 4,4-Diaminodiphenylether)                        | 101-80-4   | prohibited        | ---  |
| Ozon  | 10028-15-6   | prohibited        | ---  |
| Pentabrom(tetrabromphenoxy)benzol   | 63936-56-1   | Prohibited        | ---  |
| Pentachlorbenzol  | 608-93-5   | prohibited        | ---  |
| Pentachlordifluorpropan (R 222)   | 116867-32-4  | prohibited        | ---  |
| Pentachlorethan   | 76-01-7  | prohibited        | ---  |
| Pentachlorfluorethan (R 111)  | 354-56-3   | prohibited        | ---  |
| Pentachlorfluorpropan (R 231)   | 134190-48-0  | prohibited        | ---  |
| Pentachlorphenol (PCP) und seine Salze und Verbindungen                           | (87-86-5<br>131-52-2)  | prohibited        | ---  |
| Pentachlortrifluorpropan (R213)   | 134237-31-3<br>1599-43-5<br>1652-74-0<br>1652-89-7<br>2354-05-4<br>2354-06-5<br>60285-54-3 | prohibited        | ---  |
| Pentaethylenhexamin   | 4067-16-7  | D from 0,01%      | ---  |
| Pentan  | 109-66-0<br>78-78-4  | D from 0,01%      | ---  |
| Perchlorsäure   | 7601-90-3  | D from 0,1%       | ---  |
| Peressigsäure   | 79-21-0  | D from 0,1%       | ---  |
| Perfluoralkylsulfonate  |  | Declarable        | ---  |
| Perfluorooctansäure (PFOA) und deren Salze  | (335-67-1)   | Dekl. from. 0,1 % |  |
| Perfluorooctansulfonsäure (PFOS) und deren Salze                                  | (2795-39-3)  | 0,1%              | ---  |
| Phentidin (4-Ethoxyanilin)  | 156-43-4   | prohibited        | ---  |
| Phenol  | 108-95-2   | 10 ppm            | declarable                                       |
| Phenoethoxylate, Alkylphenoethoxylate<br>(z.B. Nonyl-Phenolpolyethylenglykoether) | (9036-19-5<br>9016-45-9<br>27177-05-5<br>20427-84-3<br>9002-93-1<br>37205-87-1)            | prohibited        | ---  |
| Phenol-Formaldehydharz  | 9003-35-4  | prohibited        | ---  |
| Phenolharzbindemittel   |  | Declarable        | ---  |
| Phenoxyethanol  | 777-35-4   | declarable        | In water-soluble process chemicals               |
| Phenyl-1-naphthylamin   | 90-30-2  | 0,2%              | ---  |



| substance   | CAS-No.   | threshold        | note                                   |
|---|---|------------------|--|
| Phenyl-2-naphthylamin   | 135-88-6  | prohibited       | ---                                    |
| Phenylazobenzol-1,3-diamin<br>(4-(Phenylazo) benzol-1,3-diamin)   | 495-54-5  | Prohibited       | ---                                    |
| Phenylazophenyl-1,3-diaminmonohydrochlorid  | 532-81-1  | Prohibited       | ---                                    |
| Phenylglycidylether<br>(1,2-Epoxy-3-phenoxypropan)  | 122-60-1  | 0,1%             | D from 0,01%                           |
| Phenyldiamine (N-substituiert)  |   | 0,1%             | In not water-soluble process chemicals |
| Phenylendiamin und dessen Salze<br>(o,m,p-Phenylendiamin)   | 95-54-4<br>95-54-5<br>106-50-3<br>108-45-2  | 10 ppm           | declarable                             |
| Phenylhydrazin  | 100-63-0  | prohibited       | ---                                    |
| Phenylphenol (o-Phenylphenol)   |   | 10 ppm           | In water-soluble process chemicals     |
| Phenylpyrazolidon<br>(1-Phenyl-3-pyrazolidon)   | 92-43-3   | D from 0,01%     | ---                                    |
| Phosphonobutan-1,2,4-tricarbonsäure   | 37971-36-1  | D from 0,1%      | ---                                    |
| Phthalate   |   | declarable       | ---                                    |
| Phthalsäureanhydrid   | 85-44-9   | prohibited       | ---                                    |
| Piperazin (Diethylendiamin)   | 110-85-0  | 0,2%             | In water-soluble process chemicals     |
| Platinverbindung  |   | prohibited       | ---                                    |
| Polybromierte Biphenyle (PBB)   | (59536-65-1<br>27858-07-7<br>36355-01-8<br>67774-32-7)  | prohibited       | ---                                    |
| Polybromierte Biphenyloxide (PBBE)  |   | declarable       | ---                                    |
| Polybromierte Difurane (PBDF)   |   | prohibited       | ---                                    |
| Polybromierte Terphenyle (PBT)  | (61788-33-8)  | prohibited       | ---                                    |
| Polychlorierte Biphenyle (PCB)  | (1336-36-3)   | prohibited       | ---                                    |
| Polychlorierte Naphthaline  | (70776-03-3<br>38289-27-9)  | Prohibited       | ---                                    |
| Polychlorierte Terphenyle (PCT)   | (61788-33-8)  | prohibited       | ---                                    |
| Polycyclische aromatische Kohlenwasserstoffe<br>(PAK)<br>z.B.<br>Benzo(a)pyren<br>Benzo(a)anthracen<br>Benzo(b)fluoranthen<br>Benzo(j)fluoranthen<br>Benzo(k)fluoranthen<br>Benzo(a,h)anthracen | 50-32-8<br>56-55-3<br>120-12-7<br>205-99-2<br>205-82-3<br>207-08-9<br>53-70-3<br>218-01-9<br>205-893-2<br>193-39-5<br>91-20-3 | Dekl. From 1 ppm | ---                                    |
| Polyethylenglykole  |   | Declarable       | ---                                    |
| Polyethylenpolyamine  | (90640-67-8)  | Declarable       | In water-soluble process chemicals     |
| Polyfumarsäuredibutyltester   |   | D from 10 ppm    | ---                                    |

| substance   | CAS-No.  | threshold     | note                 |
|---|--|---------------|----------------------|
| Propanolid<br>(3-Propanolid, b-Propiolacton)                                    | 57-57-8  | prohibited    | ---                  |
| Propansulton (1,3-Propansulton)   | 1120-71-4  | 0,1%          | D from 0,001%        |
| Propazin  | 139-40-2   | D from 0,01%  | ---                  |
| Propinol(2-Propin-1-ol)   | 107-19-7   | D from 0,01%  | ---                  |
| Propylbenzol  | 103-65-1   | D from 0,01%  | ---                  |
| Propylendiamintetraessigsäure   | 1939-36-2  | Prohibited    | ---                  |
| Propylenglykolmonoethyletheracetat  | 94825-54-4   | D from 0,1%   | ---                  |
| Propylenoxid  | 75-56-9  | 0,1           | D from 0,001%        |
| Propylglycidylether<br>(iso-Propylglycidylether)                                | 4016-14-2  | prohibited    | ---                  |
| Propyloxyethanol (2-(Propyloxy)ethanol)   | 2807-30-9  | D from 0,1%   | ---                  |
| Propyloxyethylacetat<br>(2-(Propyloxy)ethylacetat)                              |  | D from 0,1%   | ---                  |
| PVC   | 9002-86-2  | declarable    | ---                  |
| Pyromellitsäureanhydrid   | 89-32-7  | prohibited    | ---                  |
| Quarz   | 14808-60-7   | D from 0,01%  | ---                  |
| Quaternäre Ammoniumverbindungen   |  | D from 0,001% | ---                  |
| Quecksilber und seine Verbindungen  | (7439-97-6)  | prohibited    | general              |
| Resmetherin   | 10453-86-8   | D from 0,01%  | ---                  |
| Resorcinol (1,3-Dihydroxybenzol)  | 108-46-3   | D from 0,01%  | ---                  |
| Salpetrige Säure  | 7782-77-6  | D from 0,1%   | ---                  |
| Schwefelhexafluorid   | 2551-62-4  | prohibited    | ---                  |
| Schwefelkohlenstoff und Schwefelkohlenstoff<br>abspaltende Substanzen           | (75-15-0)  | 0,1%          | D from 0,001%        |
| Schwefelverbindungen  |  | 0,05%         | In fuel oil          |
| Schwefelwasserstoff und Schwefelwasserstoff<br>abspaltende Substanzen           | (7783-06-4)  | prohibited    | ---                  |
| Schwermetalle   |  | 10 ppm        | In process chemicals |
| Selen und Selenverbindungen   | 7782-49-2  | D from 0,01%  | ---                  |
| Silikone (Polysiloxane)   |  | prohibited    | In process chemicals |
| Styroloxid  | 96-09-3  | 0,1%          | declarable           |
| Synthetische Mineralfasern (Biopersistente<br>Fasern, keramische Mineralfasern) | (66402-68-4)<br>(142844-00-6)                          | 0,01%         | declarable           |
| Tallöledestillate   |  | declarable    | ---                  |
| Teeröle, Creosote (siehe auch PAK)  | (8001-58-9)<br>61789-28-4<br>65996-85-2<br>84650-04-4) | prohibited    | ---                  |
| Terpentinöl   | 8006-64-2  | prohibited    | ---                  |
| Tertramethyl-5-decin--4,7-diol<br>(2,4,7,9- Tertramethyl-5-decin-4,7-diol)      | 126-86-3   | declarable    | ---                  |

| substance  | CAS-No.   | threshold    | note                              |
|--|---|--------------|-----------------------------------|
| <b>Tertramethyl-5-decin-4,7-dioldi(polyoxyethylen)ether (2,4,7,9- Tertramethyl-5-decin-4,7-dioldi(polyoxyethylen)ether</b> | 9014-85-1   | declarable   | ---                               |
| <b>Tetrabrombisphenol A</b>  | 79-94-7   | Prohibited   | ---                               |
| <b>Tetrachlorbenzol</b>  | 95-94-3   | Prohibited   | ---                               |
| <b>Tetrachlordifluorethan (1,1,1,2-Tetrachlor-2,2-difluorethan)</b>  | 76-11-9   | prohibited   | ---                               |
| <b>Tetrachlordifluorpropan (R 232)</b>   | 127564-82-3   | prohibited   | ---                               |
| <b>Tetrachlorethan (1,1,2,2 und 1,1,1,2 Tetrachlorethan)</b>   | 79-34-5<br>630-20-6   | Prohibited   | ---                               |
| <b>Tetrachlorethen (Tetrachlorethylen, Perchlorethylen)</b>  | 127-18-4  | prohibited   | ---                               |
| <b>Tetrachlorfluorethan 1,1,2,2-Tetrachlor-1-fluorethan 1,1,1,2-Tetrachlor-2-fluorethan</b>                                | 354-14-3<br>354-11-0  | prohibited   | ---                               |
| <b>Tetrachlorfluorpropan (R 241)</b>   | 134190-49-1   | prohibited   | ---                               |
| <b>Tetrachlorisophthalonitril</b>  | 1897-45-6   | Prohibited   | ---                               |
| <b>Tetrachlorkohlenstoff (Tetrachlormethan)</b>  | 56-23-5   | prohibited   | ---                               |
| <b>Tetrachlorphenol</b>  | 935-95-5  | Prohibited   | ---                               |
| <b>Tetrachlortetrafluorpropan (R214)</b>   | 2268-46-4<br>2268-44-2<br>2268-45-3<br>2354-04-3<br>29255-31-0<br>3175-64-2<br>677-68-9 | prohibited   | ---                               |
| <b>Tetrachlortrifluorpropan (R 233)</b>  | 29470-95-9  | prohibited   | ---                               |
| <b>Tetraethylenpentamine</b>   | (112-57-2<br>90640-66-7)  | D from 0,01% | ---                               |
| <b>Tetrahydrofuran THF</b>   | 109-99-9  | D from 0,1%  | ---                               |
| <b>Tetramethyl-6-dodecin-5,8-diol (2,5,8,11 - Tetramethyl-6-dodecin-5,8-diol)</b>  | 68227-33-8  | declarable   | ---                               |
| <b>Tetranitromethan</b>  | 509-14-8  | prohibited   | ---                               |
| <b>Thallium und seine Verbindungen</b>   | (7440-28-0)   | Declarable   | ---                               |
| <b>Thiodianilin und dessen Salze (4,4-Thiodianilin)</b>  | 139-65-1  | prohibited   | ---                               |
| <b>Thiodiphosphorsäuretetraethylester (Sulfotep)</b>   | 3689-24-5   | Prohibited   | ---                               |
| <b>Thioharnstoff, Thiocarbamid</b>   | 62-56-6   | D from 0,01% | ---                               |
| <b>Thiophanatmethyl</b>  | 23564-05-6  | D from 0,01% | ---                               |
| <b>Thiram (Tetramethylthiuramidsulfid)</b>   | 137-26-8  | Declarable   | ---                               |
| <b>Toluidin (metha und para)</b>   | 108-44-1<br>106-49-0  | Declarable   | ---                               |
| <b>Toluol</b>  | 108-88-3  | declarable   | Limit in process chemicals: 0,1 % |

| substance   | CAS-No.  | threshold   | note |
|---|--|-------------|------|
| Toluylendiamin und seine Salze<br>(2,4-Toluylendiamin)  |  | prohibited  | ---  |
| Toxaphen  | 72-20-8  | Prohibited  | ---  |
| Tribrommethan   | 75-25-2  | prohibited  | ---  |
| Tributylphenol<br>(2,4,6-tri-tert-butylphenol)  | 732-26-3   | Declarable  | ---  |
| Tributylphosphorsäureester  | 126-73-8   | D from 0,1% | ---  |
| Trichlorbenzol und Mischunen verschiedene<br>Trichlorbenzolisomere  | 108-70-3<br>120-82-1<br>1202-48-1<br>12002-48-0<br>87-61-6   | prohibited  | ---  |
| Trichlorbuten<br>(2,3,4-Trichlor-1-buten)   | 2431-50-7  | prohibited  | ---  |
| Trichlordifluorethan<br>1,2,2-Trichlor-1,1-difluorethan<br>1,2,2-Trichlor-1,2-difluorethan                      | 354-21-2<br>354-15-4   | prohibited  | ---  |
| Trichlordifluorpropan (R 242)   | 127564-90-3  | prohibited  | ---  |
| Trichlorethan<br>(1,1,1 und 1,1,2 Trichlorethan)  | 71-55-6<br>79-00-5   | prohibited  | ---  |
| Trichlorethylen,<br>Trichlorethen (TRI)   | 79-01-6  | prohibited  | ---  |
| Trichlorfluorethan<br>1,1,2-Trichlor-2-fluorethan<br>1,1,2-Trichlor-1-fluorethan<br>1,1,1-Trichlor-2-fluorethan | 359-28-4<br>811-95-0<br>2366-36-1  | prohibited  | ---  |
| Trichlorfluorpropan (R 251)   | 134190-51-5  | prohibited  | ---  |
| Trichlormethylthiophthalimid  | 133-07-3   | Prohibited  | ---  |
| Trichlorpentafluorpropan<br>(R215, R215aa, R 215ba, R 215ca, R 215cb)   | 4259-43-2<br>1599-41-3<br>1652-81-9<br>28109-69-5<br>76-17-5<br>812-30-6   | prohibited  | ---  |
| Trichlorphenol und Salze<br>(2,4,6-Trichlorphenol, 2,4,5 Trichlorphenol<br>2,3,6- Trichlorphenol)               | 88-06-2<br>95-95-4<br>933-75-5   | prohibited  | ---  |
| Trichlorphenoxyessigsäure und deren Salze   | 93-76-5<br>93-76-4   | D from 0,01 | ---  |
| Trichlorpropan (1,2,3 Trichlorpropan)   | 96-18-4  | prohibited  | ---  |
| Trichlortetrafluorpropan<br>(R 224, R 224cb, R 224ca, R 224cc)  | 127564-91-4<br>134237-38-0<br>139754-75-9<br>139754-76-0<br>144909-55-7<br>144909-56-8<br>422-32-2<br>422-51-5<br>422-53-7<br>422-54-8<br>422-47-9<br>431-84-5<br>431-85-8<br>53063-52-8<br>53063-53-9 | prohibited  | ---  |

| substance   | CAS-No.                   | threshold                  | note                                   |
|---|---------------------------|----------------------------|--|
| Trichlortoluol<br>( $\alpha,\alpha,\alpha$ -Trichlortoluol)   | 98-07-7                   | prohibited                 | ---                                    |
| Trichlortrifluorpropan R 233  | 134237-40-4<br>61623-04-9 | prohibited                 | ---                                    |
| Tridecylamin  | 86089-17-0                | D from 0,1%                | ---                                    |
| Tridymit  | 15468-32-3                | D from 0,01%               | ---                                    |
| Triethanolamin (TEA)  | 102-71-6                  | Declarable                 | ---                                    |
| Triethylamin  | 121-44-8                  | prohibited                 | ---                                    |
| Triethylenglykoldimethylether<br>(1,2-Bis(2-methoxyethoxy)ethan)  | 112-49-2                  | Prohibited                 | ---                                    |
| Triethylenglykolethylether  | 112-50-5                  | D from 0,1%                | ---                                    |
| Triethylenglykolmonobutylether  | 143-22-6                  | D from 0,1%                | ---                                    |
| Triethylenglykolmonomethylether   | 112-35-6                  | D from 0,1%                | ---                                    |
| Triisobutylphosphat   | 126-71-6                  | prohibited                 |  |
| Trikresolphosphate  |                           | 10 ppm                     | In not water-soluble process chemicals |
| Trimethylamin   | 75-50-3                   | prohibited                 | ---                                    |
| Trimethylanilin (2,4,5-Trimethylanilin)   | 137-17-7<br>21436-97-5    | prohibited                 | ---                                    |
| Trimethylbenzol   | 25551-13-7<br>95-63-6     | D from 0,01%               | ---                                    |
| Trimethylhydrochinon  | 700-13-0                  | D from 0,01%               | ---                                    |
| Trimethylpentan<br>(2,2,4-Trimethylpentan)  | 540-84-1                  | D from 0,01%               | ---                                    |
| Trimethylphosphat oder verwandte Verbindungen   | (512-56-1)                | prohibited                 | ---                                    |
| Trinickeldisulfid   | 12035-72-2                | prohibited                 | ---                                    |
| Trinitrofluoren-9-on<br>(2,4,7-Trinitrofluoren-9-on)  | 129-79-3                  | prohibited                 | ---                                    |
| Trinitrotoluol (2,4,6-Trinitrotoluol) und Isomeren in technischen Gemischen                                   | 118-967                   | prohibited                 | ---                                    |
| Trioxan (1,3,5- Trioxan)  | 110-88-3                  | prohibited                 | ---                                    |
| Triphenylphosphat   | 115-86-6                  | Declarable<br>D from 0,01% | ---                                    |
| Triphenylphosphit   | 101-02-0                  | Declarable<br>D from 0,01% | ---                                    |
| Tris-(2,3-dibrompropyl)phosphat   | 126-72-7                  | prohibited                 | ---                                    |
| Tris(2-chlorethyl)phosphat  | 115-96-8                  | prohibited                 | ---                                    |
| Tris(2-hydroxyethyl)-hexahydro- 1,3,5-triazin<br>(1,3,5- Tris(2-hydroxyethyl)-hexahydro- 1,3,5-triazin) (HHT) | 4719-04-4                 | prohibited                 | ---                                    |
| 1,3,5-Tris-[(2S und 2R)-2,3-epoxypropyl]-1,3,5-triazin-2,4,6-(1H,3H,5H)-trion                                 | 59653-74-6                | 01%                        | D from 0,01%                           |
| Tris-(aziridinyl)-phosphinoxid  | 545-55-1                  | prohibited                 | ---                                    |
| Trishydroxymethylnitromethan  |                           | 10 ppm                     | In water-soluble process chemicals     |
| Tritolyphosphat   | 78-32-0                   | D from 0,01%               | ---                                    |
| Vinylacetat   | 108-05-4                  | prohibited                 | ---                                    |

| substance  | CAS-No.  | threshold  | note                                   |
|--|--|------------|--|
| Vinylbenzol (Styrol)   | 100-42-5   | 0,1%       | declarable                             |
| Vinylcarbazol (9-Vinylcarbazol)  | 1464-13-5  | prohibited | ---                                    |
| Vinylchlorid   | 75-01-4  | prohibited | ---                                    |
| Vinylcyclohexen (4-Vinylcyclohexen)  | 100-40-3   | prohibited | ---                                    |
| Xylidin<br>(2,4-Xylidin, 2,6-Xylidin)  | 95-68-1<br>87-62-7   | prohibited | ---                                    |
| Xylole   | (1330-20-7)<br>106-42-3<br>108-38-3<br>95-47-6                           | declarable | Limit in process chemicals: 0,1 %      |
| Zimtaldehyd  | 104-55-2   | Prohibited | ---                                    |
| Zink und seine Verbindungen  |  | 0,01%      | In not water-soluble process chemicals |
| Zink und seine Verbindungen  |  | 10 ppm     | In water-soluble process chemicals     |
| Zinkdibuthyldithiocarbamat   | 136-23-2   | prohibited | ---                                    |
| Zinkdiethyldithiocarbamat  | 14324-55-1   | prohibited | ---                                    |
| Zinnorganische Verbindungen,<br>z.B. Di-m-oxo-di-n-butylstannio-hydroxyboran<br>(DBB), Zinnmercaptan, Mono-, Di- und Trialkyl-<br>sowie Triaryl-Zinnverbindungen | (56-35-9<br>77-58-7<br>688-73-3<br>1461-22-9<br>4342-36-3<br>75113-37-0) | prohibited | ---                                    |