

VERSION 2015 - V.2.0

Safety information:

This information is based on laboratory tests (for e.g. test procedure according to DIN-EN ISO 6529), and on solid data banc scan /analysis over 30 years. It is intended as a **general overview** of our materials against chemicals and gasses. In practical situations there are many variable factors, such as temperature, ventilation, exposure time, stability of gasses or liquids, mechanical loads and wettability, which may result in a deviation from the values determined in the laboratory.

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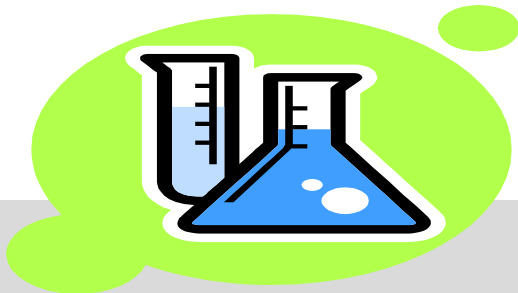


Rules of the thumb

- Definition „permeation time“ = „x“ = breakthrough time, in which a substance / chemical could diffuse. Based on the framework of actually DIN EN 943 part 1 und 2 (ET).
- As bigger the time (x) is, as higher is the protection level of the suit for long durance uses.
- But under restriction, for e.g. a SCBA air reserve is approx. 30 minutes (isolating pressure device), so with that, end-user must check (x) and make a suitable choice (suit) or request for further information.
- All times/values (x) are ascertained solid and reliable. All times are primarily for the material.
- All times (x) could be used also for the suit components, without any warranty, under restriction of:
 - X gloves= 1:1 (for e.g. WIPAN CK+)
 - X view pane = 1:1
 - X zipper = zipper plus splash protection
 - X a-valves= valves plus splash protection
 - X boots = 1:2; take care of the additional permeation list info for the boots, on request.
 - X sockets out of suit material = 1:1
 - X light green marked permeation times = testet by notified labor and controled via 11a quality system (TÜV Rheinland).
- Always in attention to the safety rules (manual) and the proofed and certified reference substances (certificat).
- For material reference TSO PLUS, we could support with another databanc - on demand.
- We can also offer you individual permeation tests – please enquire!

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Safety information – permeation times:

- The determined permeation times are given in minutes (= X).
- For chemical protection suits the classification in minutes according to applicable DIN EN standards (DIN EN 943 part 1 and 2 (ET) generally apply:

| Classification in minutes | | | | | |
|---------------------------|-------------|-------------|--------------|--------------|--------------|
| Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 |
| >10 minutes | >30 minutes | >60 minutes | >120 minutes | >240 minutes | >480 minutes |

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Safety information – UN/CAS numbers:

- The allocation of CAS/UN numbers have been verified with due diligence with CHEMDAT for each chemical (in cooperation with MEMPLEX, Germany). An allocation is not possible in all cases, as some chemicals are listed under their manufacturer's product name.
- Chemicals that can not be allocated a number are marked –.
- Chemicals that have been allocated a number but where the allocation is not clearly definable (for example groups of substances) are marked *.

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| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---|-----------------|-----------|----------|---------|---------|---------|-------------|-------|------------|
| 1,1,1-trichlorethane | | | | | | | | 2831 | 71-55-6 |
| 1,2,4-trichlorobenzene | | | | | | | | 2321 | 120-82-1 |
| 1,2-dibromethane | | | | | | | | 1605 | 106-93-4 |
| 1,4-dichloro-2-butene (cis/trans mixture) | | | | | | | | 1993 | 764-41-0 |
| 2,2,2-trichlorethanol | 98% | | | | | | | 2810 | 115-20-8 |
| 2,4,6-trinitrophenol | | | | | >480 | | | 1344 | 88-89-1 |
| 2,4-dinitrotoluene | | | | | | | | 3454 | 121-14-2 |
| 2-chloropropene | | | | | | | | 2456 | 557-98-2 |
| 2-chlortoluene | 98% | | | | | | | 2238 | 95-49-8 |
| 2-cutoxyethanol | | | | | >480 | | | 9063 | 111-76-2 |
| 2-furaldehyde | 99% | | | | | | | 1199 | 98-01-1 |
| 2-methoxyethanol | | <10 | | >120 | >480 | >60 | >240 | 1188 | 109-86-4 |
| 4,4'-methylenedicyclohexyldiisocyanate | Liquid, 20 °C | | | >480 | >480 | >480 | >480 | | 5124-30-1 |
| Acetaldehyde | | 18 | | >240 | >240 | >240 | >240 | 1089 | 75-07-0 |
| Acetamide | | | | >60 | >480 | | >480 | | 60-35-5 |
| Acetic acid | 100% | | | >480 | >480 | >480 | >480 | 2789 | 64-19-7 |
| Acetic acid | 10% | >480 | | >480 | >480 | >480 | >480 | 2789 | 64-19-7 |
| Acetic acid | 100% | >480 | | >240 | >240 | >240 | >480 | 2789 | 64-19-7 |
| Acetic acid | 20% | >480 | | >480 | >480 | >480 | >480 | 2790 | 64-19-7 |
| Acetic acid | 30% | >480 | | >480 | >480 | >480 | >480 | 2790 | 64-19-7 |
| Acetic acid amyl ester | | | | 60 | 120 | | >480 | 1104 | 628-63-7 |
| Acetic acid ethyl ester | | | | | | | | | 141-97-9 |
| Acetic acid ethyl ester | | | | >120 | >120 | >120 | 180 | 1173 | 141-78-6 |
| Acetic acid isopropyl ester | | | | >120 | >120 | >120 | | 1220 | 108-21-4 |
| Acetic acid methyl ester | | | | | | | | 1231 | 79-20-9 |
| Acetic acid propyl ester | | | | | | | | 1276 | 109-60-4 |
| Acetic acid, anhydride | | | | >480 | >480 | >480 | >480 | 1715 | 108-24-7 |
| Acetic acid, n-butyl ester | | | | | | | | 1123 | 123-86-4 |
| Acetic anhydride | | | | >480 | >480 | >480 | >480 | 1715 | 108-24-7 |
| Acetic anhydride (99%) (2 °C) | | | | | | | | 1005 | 7664-41-7 |
| Acetone | | 21 | >480 | >480 | >480 | >480 | >480 | 1090 | 67-64-1 |
| Acetone/toulene (50/50) | | | | | >30 | | | | |
| Acetonitrile | | <=10 | >480 | >480 | >480 | >480 | >480 | 1648 | 75-05-8 |
| Acetophenone | | | | | | | | 2810 | 98-86-2 |
| Acetous esters | | | | | | | | | |
| Acetous ether | | | | | | | | | |
| Acetyl chloride | 98% | | | >480 | >480 | >480 | 130 | 1717 | 75-36-5 |
| Acetylene | | | | 180 | >480 | | >480 | 1001 | 74-86-2 |
| Acetylene dichloride | | | | | | | | 1150 | 540-59-0 |
| Acetylene tetrabromide | | | | >480 | >480 | >480 | | 2504 | 79-27-6 |
| Acrylamide | 40% | >480 | | >480 | >480 | >480 | >480 | | 79-06-1 |
| Acrylic acid | 99% | 19 | | >480 | >480 | >480 | >480 | 2218 | 79-10-7 |
| Acrylic acid butyl ester | | | | | 60 | | 120 | 2348 | 141-32-2 |
| Acrylic acid ethyl ester, stabilized | | | | | 60 | | 120 | 1917 | 140-88-5 |
| Acrylic acid methyl ester | | | | | 60 | | 120 | 1919 | 96-33-3 |
| Acrylonitrile | Liquid, 20 °C | <=10 | | >240 | >240 | >240 | >180 | 1093 | 107-13-1 |
| Adipic acid | | | | >480 | >480 | >480 | | | 124-04-9 |
| Alum | | | | >480 | >480 | >480 | | | 10043-67-1 |
| Aluminium acetate | | | | >480 | >480 | >480 | | | 139-12-8 |
| Aluminium chloride, anhydrous | | | | >480 | >480 | >480 | >480 | 1726 | 7446-70-0 |
| Aluminium fluoride | | >30 | | >480 | >480 | >480 | >480 | 9101 | 7784-18-1 |
| Aluminium nitrate | | | | >480 | >480 | >480 | >480 | 1438 | 13473-90-0 |
| Aluminium phosphate | | | | >480 | >480 | >480 | >480 | | 7784-30-7 |
| Aluminium sulphate, anhydrous | | >480 | | >480 | >480 | >480 | >480 | | 10043-01-3 |
| Aminobutane-1 | | | | | | | | | 109-73-9 |
| Aminoethanol | | | | | | | | 2491 | 141-43-5 |
| Ammonia (gas) | 20°C | <=30 | >480 | >480 | >480 | >480 | >480 | 1005 | 7664-41-7 |
| Ammonia | | | | >480 | >480 | >480 | >480 | | |
| Ammonia , solutions <35 % | 32% sol. | | | >240 | >240 | >240 | >120 | 2672 | 1336-21-6 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|-----------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|----------------------|
| Ammonium bifluoride | Solid, 20 °C | >30 | | >480 | >480 | <480 | >480 | | 1341-49-7 |
| Ammonium carbonate | | | | >480 | >480 | >480 | >480 | | 506-87-6 |
| Ammonium chloride | | | | >480 | >480 | >480 | >480 | 9095 | 12125-02-9 |
| Ammonium hydroxide | 28% | 480 | | >240 | >240 | >240 | >480 | 2073 | 7664-41-7 |
| Ammonium nitrate (fertilizer) | | | | >240 | >240 | >240 | >480 | 0222 / 1942 | 6484-52-2 |
| Ammonium nitrite | | | | >480 | >480 | >480 | >480 | | 13446-48-5 |
| Ammonium peroxodisulphate | | | | >480 | >480 | >480 | | 1444 | 7727-54-0 |
| Ammonium persulphate | | | | >240 | >240 | >240 | >480 | 1444 | 7727-54-0 |
| Ammonium phosphate | | | | >480 | >480 | >480 | >480 | | 7722-76-1 |
| Ammonium sulphate | | | | >480 | >480 | >480 | >480 | | 7783-20-2 |
| Ammonium sulphate, 40% solution | | | | >480 | >480 | >480 | >480 | | 7783-20-2 |
| Amyl acetate | | | | >120 | >120 | >120 | >480 | 1104 | 628-63-7 |
| Amyl alcohol | | | | >480 | >480 | >480 | >480 | 1105 | |
| Amyl borate | | | | >480 | >480 | >480 | >480 | | 621-78-3 |
| Amyl chloronaphthalene | | | | >480 | >480 | >480 | | | |
| Amylnaphthalene | | | | >480 | >480 | >480 | | | |
| Aniline | 70 °C | <=10 | | >480 | >480 | >480 | >480 | 1547 | 62-53-3 |
| Aniline dye | | <=10 | | >240 | >240 | >240 | >480 | | |
| Aniline hydrochloride | | | | >480 | >480 | >480 | >480 | 1548 | 142-04-1 |
| Aniline oil | | | | >480 | >480 | >480 | >480 | 1547 | 62-53-3 |
| Animal fats | | 480 | | >480 | >480 | >480 | >480 | | |
| Aqua regia | | 23 | | >240 | >240 | >240 | >480 | 1798 | 8007-56-5 |
| Arochlor | | | | >480 | >480 | >480 | | 2315 | 53469-21-9 |
| Arsenic | | 240 | | >480 | >480 | >480 | >480 | 1558 / 1561 | 1327-53-3; 7440-38-2 |
| Arsenic acid, liquid | | 240 | | >480 | >480 | >480 | >480 | 1553 / 1554 | 7778-39-4 |
| Arsenic trichloride | | | | | | | | 1560 | 7784-34-1 |
| Arsenic trioxide | | | | >480 | >480 | >480 | | 1561 | 1327-53-3 |
| Arsine | | | | >480 | >480 | >480 | >60 | | 7784-42-1 |
| Asphalt | | 240 | | >480 | >480 | >480 | >480 | 1999 | 8052-42-4 |
| ASTM – oil No. 1 | | | | >480 | >480 | >480 | >480 | | |
| ASTM – oil No. 3 | | | | >240 | >240 | >240 | >480 | | |
| ASTM reference fuel A | | | | >120 | >120 | >120 | >480 | | |
| ASTM reference fuel B | | | | >120 | >120 | >120 | >480 | | |
| ASTM reference fuel C | | | | 60 | | | >480 | | |
| Barium chloride | | 480 | | >480 | >480 | >480 | >480 | 1564 | 10361-37-2 |
| Barium hydroxide | | 480 | | >480 | >480 | >480 | >480 | 1564 | 17194-00-2 |
| Barium sulphate | | 480 | | >480 | >480 | >480 | >480 | | 7727-43-7 |
| Barium sulphide | | 480 | | >480 | >480 | >480 | >480 | 1564 | 21109-95-5 |
| Beer | | 480 | | >480 | >480 | >480 | >480 | | |
| Benzaldehyde | | | | >120 | >120 | >120 | >480 | 1990 | 100-52-7 |
| Benzene | | >=10 | | >120 | >120 | >120 | >480 | 1203 | 86290-81-5 |
| Benzene | | <=10 | | >120 | >120 | >120 | >480 | 1114 | 71-43-2 |
| Benzenesulfonic acid | | | | | >480 | | | 3261 | 98-11-3 |
| Benzoic acid | | | | >120 | >120 | >120 | | 9204 | 65-85-0 |
| Benzoic acid benzyl ester | | | | >480 | >480 | >480 | | 9112 | 120-51-4 |
| Benzoic acid butyl ester | | | | >480 | >480 | >480 | | | 136-60-7 |
| Benzonitrile | 99% | | | | | | | 2224 | 100-47-0 |
| Benzophenone | | | | | | | | 3077 | 119-61-9 |
| Benzoyl chloride | | | | >480 | >480 | >480 | 240 | 1736 | 98-88-4 |
| Benzyl alcohol | | | | >480 | >480 | >480 | | 9109 | 100-51-6 |
| Benzyl benzoate | | | | >480 | >480 | >480 | | 9112 | 120-51-4 |
| Benzyl chloride | | | | >120 | >120 | >120 | | 1738 | 100-44-7 |
| Benzylamine | | | | | | | | 2735 | 100-46-9 |
| Bitumen, flash points -18 – 23 °C | | | | >240 | >240 | >240 | >480 | 1999 | 8052-42-4 |
| Blast furnace gas | | | | >480 | >480 | >480 | >480 | | |
| Bleaching lime (lime chloride) | | | | >480 | >480 | >480 | >480 | 1748 | 7778-54-3 |
| Bleaching solutions | | | | >240 | >240 | >240 | >480 | 1791 | 7681-52-9 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|------------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-----------------------|----------------------|
| Borax | | 480 | >480 | >480 | >480 | >480 | >480 | | 1303-96-4, 1330-43-4 |
| Boric acid | | 480 | >480 | >480 | >480 | >480 | >480 | | 10043-35-3 |
| Boric acid amyl ester | | | >480 | >480 | >480 | >480 | | | 621-78-3 |
| Boron fluoride | | | <30 | <30 | <30 | <30 | | 1008 | 7637-07-2 |
| Brine | | 480 | >480 | >480 | >480 | >480 | | | 7647-14-5 |
| Bromine | | < 10 | >120 | >120 | >120 | >120 | 240 | 1744 | 7726-95-6 |
| Bromine trifluoride | | | | | | | | 1746 | 7787-71-5 |
| Bromine water | | | >120 | >120 | >120 | >120 | | 1744 | 7726-95-6 |
| Bromobenzene | | | >120 | >120 | >120 | >120 | | 2514 | 108-86-1 |
| Bromochloromethane | | | | >120 | >120 | >120 | | 1887 | 74-97-5 |
| Bromomethane | | | >240 | >240 | >240 | >240 | | 1062 | 74-83-9 |
| Butadiene (1,3-butadiene) | Gaseous | | >480 | >480 | >480 | >480 | >60 | 1010 | 106-99-0 |
| Butane | 98% | 120 | >480 | >480 | >480 | >480 | >480 | 1011 | 106-97-8 |
| Butane, wet | | | >480 | >480 | >480 | >480 | >480 | 1011 | 106-97-8 |
| Butanethiol, tert. | | | >480 | >480 | >480 | >480 | >480 | 2347 | 75-66-1 |
| Butanol, tert. | | | >480 | >480 | >480 | >480 | >480 | 1120 | 75-65-0 |
| Butanol-1 | | | >480 | >480 | >480 | >480 | >480 | 1120 | 71-36-3 |
| Butanol-2 | | | >480 | >480 | >480 | >480 | >480 | 1120 | 78-92-2 |
| Butanone (MEK) | | <10 | >120 | >120 | >120 | >120 | >30 | | 78-93-3 |
| Butene | | | >480 | >480 | >480 | >480 | >480 | 1012 | 25167-67-3 |
| Butyl | | | >480 | >480 | >480 | >480 | >480 | | |
| Butyl acetate | | <10 | >240 | >240 | >240 | >240 | >30 | 1123 | 123-86-4 |
| Butyl acetylricinoelate | | | >480 | >480 | >480 | >480 | | | 140-04-5 |
| Butyl alcohol | | | >480 | >480 | >480 | >480 | 240 | 1120 | 71-36-3 |
| Butyl aldehyde | | | >120 | >120 | >120 | >120 | 240 | 1129 | 123-72-8 |
| Butyl benzoate | | | >120 | >120 | >120 | >120 | | | 136-60-7 |
| Butyl Carbitol | | | >480 | >480 | >480 | >480 | | 9023 | 112-34-5 |
| Butyl cellosolve (2-butoxyethanol) | 99% | | >480 | >480 | >480 | >480 | | 9063 | 111-76-2 |
| Butyl Cellusolv | | | | | | | | 9063 | 111-76-2 |
| Butyl ether | | | >480 | >480 | >480 | >480 | | 1149 | 142-96-1 |
| Butyl glycol | Liquid, 20 °C | | >480 | >480 | >480 | >480 | 240 | | 111-76-2 |
| Butyl oleate | | | >120 | >120 | >120 | >120 | | | 142-77-8 |
| Butyl stearate | | | >240 | >240 | >240 | >240 | | | 123-95-5 |
| Butylamine | | | >120 | >120 | >120 | >120 | | 1125 | 109-73-9 |
| Butylcatechol, tert. | | | >480 | >480 | >480 | >480 | | | 98-29-3 |
| Butylene | | | >240 | >240 | >240 | >240 | >480 | 1012 | |
| Butyric acid | | 480 | >240 | >240 | >240 | >240 | >480 | | 107-92-6 |
| Cadmium (non-pyrophoric) | | >480 | >480 | >480 | >480 | >480 | >480 | - | 7440-43-9 |
| Calcium | | | >480 | >480 | >480 | >480 | >480 | 1401 | 7440-70-2 |
| Calcium acetate | | | >480 | >480 | >480 | >480 | >480 | | 62-54-4 |
| Calcium bisulphite | | 480 | >480 | >480 | >480 | >480 | >480 | 1923 | 13780-03-5 |
| Calcium bisulphite | | | >480 | >480 | >480 | >480 | >480 | 1923 | 13780-03-5 |
| Calcium chloride | | 480 | >480 | >480 | >480 | >480 | >480 | 3258 | 10043-52-4 |
| Calcium hydroxide | | 480 | >480 | >480 | >480 | >480 | >480 | 1759 | 1305-62-0 |
| Calcium nitrate | | 480 | >480 | >480 | >480 | >480 | >480 | 1454 | 10124-37-5 |
| Calcium oxide (Quicklime) | | >480 | >480 | >480 | >480 | >480 | >480 | 1910 | 1305-78-8 |
| Calcium sulphide | | 480 | >480 | >480 | >480 | >480 | >480 | 3288 | 20548-54-3 |
| Calium hypochlorite | | >240 | >480 | >480 | >480 | >480 | >480 | 1748 / 2208/ 2880 | 7778-54-3 |
| Calium hypochlorite | 20% | >240 | >480 | >480 | >480 | >480 | >480 | 1748 / 2208/ 2880 | 7778-54-3 |
| Calium hypochlorite | 5% | >240 | >480 | >480 | >480 | >480 | >480 | 1748 / 2208/ 2880 | 7778-54-3 |
| Carbamate | | | >480 | >480 | >480 | >480 | >480 | | |
| Carbitol | | | | >120 | >120 | >120 | | | 111-46-6, 111-90-0 |
| Carbolic acid | | | >240 | >240 | >240 | >240 | >480 | 1671 / 2312 | 108-95-2 |
| Carbon dioxide | | 480 | >480 | >480 | >480 | >480 | >480 | 1013 / 1845 / 2187 | 124-38-9 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---------------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|------------|
| Carbon dioxide | | | | >480 | >480 | >480 | >480 | 1013 | 124-38-9 |
| Carbon disulphide | | | | 200 | | | | 1131 | 75-15-0 |
| Carbon disulphide | | <=10 | | >480 | >480 | >480 | >480 | 1131 | 75-15-0 |
| Carbon disulphide | | | >10 | >480 | >480 | >480 | >480 | 1131 | 75-15-0 |
| Carbon monoxide | | 480 | | >480 | >480 | >480 | >480 | 1016 | 630-08-0 |
| Carbon monoxide | | | | >480 | >480 | >480 | >480 | 1016 | 630-08-0 |
| Carbonic acid | | 480 | | >480 | >480 | >480 | >480 | 1013 | 124-38-9 |
| Carboxylic acid | 99% | 480 | | >480 | >480 | >480 | >480 | | |
| Castor oil | | 480 | | >480 | >480 | >480 | >480 | | 8001-79-4 |
| Caustic soda | | | | >480 | >480 | >480 | >480 | 1823 | 1310-73-2 |
| Caustic soda | 0-98% | <240 | | >480 | >480 | >480 | >480 | 1824 | 1310-73-2 |
| Caustic solution (lye) | | 240 | | >480 | >480 | >480 | >480 | | |
| Cellosolve | | | | >480 | >480 | >480 | | 1171 | 110-80-5 |
| Cellosolve acetate | | | | | | | | 1172 | 111-15-9 |
| Cellulube | | | | >240 | >240 | >240 | | | |
| Chlorinated biphenyles | | | | >480 | >480 | >480 | | 2315 | |
| Chlorine (gas) | 23,2°C | >480 | >480 | >480 | >480 | >480 | >480 | 1017 | 7782-50-5 |
| Chlorine dioxide | | | | >480 | >480 | >480 | >480 | | 10049-04-4 |
| Chlorine trifluoride (tested) | | <10 | | 10<x<15 | 10<x<15 | 10<x<15 | <10 | 1749 | 7790-91-2 |
| Chlorine, dry | | 120 | | >240 | >240 | >240 | >480 | 1017 | 7782-50-5 |
| Chlorine, wet | | 120 | | >240 | >240 | >240 | >480 | 1017 | 7782-50-5 |
| Chloroacetic acid | | | | >480 | >480 | >480 | >480 | 1750 | 79-11-8 |
| Chloroacetone | | | | 240 | | | >480 | 1695 | 78-95-5 |
| Chlorobenzene | 99% | 30 | | >120 | >120 | >120 | >480 | 1134 | 108-90-7 |
| Chlorobromomethane | | | | >120 | >120 | >120 | | 1887 | 74-97-5 |
| Chlorobutadiene | | | | >480 | >480 | >480 | >480 | 1991 | 126-99-8 |
| Chlorocarbonic acid methyl ester | | | | >480 | >480 | >480 | | 1238 | 79-22-1 |
| Chlorododecane | | | | >480 | >480 | >480 | >480 | | 112-52-7 |
| Chloroethane | | | | >480 | >480 | >480 | | 1037 | 75-00-3 |
| Chloroethanol 2- | | | | >480 | >480 | >480 | | 1135 | 107-07-3 |
| Chloroform | | <=10 | | >120 | >120 | >120 | >240 | 1888 | 67-66-3 |
| Chloroformic acid ethyl ester | | | | >480 | >480 | >480 | | 1182 | 541-41-3 |
| Chloromethane | | | | >120 | >120 | >120 | | 1063 | 74-87-3 |
| Chloronaphthalene, 0- | | | | >480 | >480 | >480 | | | |
| Chloroprene | | | | >480 | >480 | >480 | >480 | 1991 | 126-99-8 |
| Chloropropane-2 | | | | >480 | >480 | >480 | >480 | 2356 | 75-29-6 |
| Chlorosulphonic acid | | | | >240 | >240 | >240 | 180 | 1754 | 7790-94-5 |
| Chlorosulphuric acid | | | | >480 | >480 | >480 | >480 | 1754 | 7790-94-5 |
| Chlorotoluene | | | | >480 | >480 | >480 | | 1738 / 2238 | 25168-05-2 |
| Chlorotrifluoroethane | | | | | | | | 1983 | 75-88-7 |
| Chromating solutions | | | | >480 | >480 | >480 | >480 | | |
| Chromic acid | | | | >240 | >240 | >240 | >480 | 1463 | 1333-82-0 |
| Chromic acid (chromium VI compounds) | | | | >480 | >480 | >480 | >480 | | |
| Chromic acid, solution | 62% | | | >240 | >240 | >240 | | 1755 | 7738-94-5 |
| Chromium | | | | 240 | | | >480 | 3288 | 7440-47-3 |
| Chromium baths for electroplating | | | | >480 | >480 | >480 | >480 | | |
| Chromium trioxide | | | | >480 | >480 | >480 | | 1463 | 1333-82-0 |
| Chromium(VI) oxide | | | | >480 | >480 | >480 | >480 | 1463 | 1333-82-0 |
| Citric acid | | 480 | | >480 | >480 | >480 | >480 | | 77-92-9 |
| Cleaning liquids (aqueous) | | 480 | | >480 | >480 | >480 | >480 | | |
| Clophene (polychlorinated biphenyles) | | | | >120 | >120 | >120 | | | 1336-36-3 |
| Cobalt chloride | | | | >480 | >480 | >480 | | 3077 | 7646-79-9 |
| Cobalt chloride | | | | >480 | >480 | >480 | | 3077 | 7646-79-9 |
| Coconut oil | | 480 | | >240 | >240 | >240 | >480 | 1363 | 8001-31-8 |
| Cod-liver oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Coke oven gas | | | | >480 | >480 | >480 | >480 | 951025 | |
| Copper acetate | | | | >480 | >480 | >480 | | | 142-71-2 |
| Copper chloride | | 480 | | >480 | >480 | >480 | >480 | 2802 | 7758-89-6 |
| Copper cyanide | | 480 | | >480 | >480 | >480 | >480 | 1587 | 544-92-3 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|--------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------|------------------------------|
| Copper sulphate (blue vitriol) | | 480 | | >480 | >480 | >480 | >480 | 3077 | 7758-99-8 |
| Copper sulphate solutions | | | | >480 | >480 | >480 | | 3077 | 7758-98-7 |
| Cottonseed oil | | 480 | | >480 | >480 | >480 | >480 | | 8001-29-4 |
| Creosol (m-cresol) | | | | >120 | >120 | >120 | >240 | | 108-39-4 |
| Creosolic acid | | | | >480 | >480 | >480 | | | |
| Creosote | | 67 | | >240 | >240 | >240 | >480 | 3082 | |
| Creosote oil | | | | >480 | >480 | >480 | >480 | 3082 | |
| Cumene | | | | >120 | >120 | >120 | | 1918 | 98-82-8 |
| Cumene | | | | >480 | >480 | >480 | | | |
| Cyanogen bromine | Solid, 20 °C | >30 | | >30 | >30 | >30 | >30 | | 506-68-3 |
| Cyclohexane | 99% | <=10 | | >120 | >120 | >120 | | 1145 | 110-82-7 |
| Cyclohexanol | | | | >480 | >480 | >480 | | 2282 | 108-93-0 |
| Cyclohexanone | | | | >120 | >120 | >120 | | 1915 | 108-94-1 |
| Cymene, para | | | | >480 | >480 | >480 | | 2046 | 99-87-6 |
| DCCP | | | | | | >120 | | | |
| Decahydronaphthalene | | | | >480 | >480 | >480 | | 1147 | 91-17-8 |
| Decalin | | | | >120 | >120 | >120 | | 1147 | 91-17-8 |
| Decane | | 60 | | | | | | 2247 | 124-18-5 |
| Denatured alcohol | | 12 | | >480 | >480 | >480 | | 1170 | 64-17-5 |
| Detergents – alcohol | | | | >480 | >480 | >480 | | | |
| Developers – liquid | | | | >480 | >480 | >480 | >480 | | |
| Diacetone | | 30 | | >480 | >480 | >480 | | 1148 | 123-42-2 |
| Diacetone alcohol | | 38 | | >240 | >240 | >240 | | 1148 | 123-42-2 |
| Diamine | | | | | | | | | |
| Diaminodiphenylmethane | | | | >480 | >480 | >480 | | 2651 | 101-77-9 |
| Diaminoethane-1,2 | | | | | | | | 1604 | 107-15-3 |
| Dibenzyl ether | | 60 | | >120 | >120 | >120 | | | 103-50-4 |
| Dibenzyl sebacate | | 60 | | | >120 | | | | |
| Dibutyl ether | | 60 | | | | | | 1149 | 142-96-1 |
| Dibutyl sebacate | | | | >120 | >120 | >120 | | | 109-43-3 |
| Dibutylamine | | | | >120 | >120 | >120 | | 2248 | 111-92-2 |
| Dibutylphthalate | | | | >120 | >120 | >120 | 186 | 3082 | 84-74-2 |
| Dichloroacetylene | | | | | | | | | 7572-29-4 |
| Dichlorobutene-3,4 | | | | | | | | 1993 | 760-23-6 |
| Dichloroethane | | | | >60 | >60 | | >60 | 1184 | 107-06-2 |
| Dichloroethane-1,2 | | | | | >480 | | | 1184 | 107-06-2 |
| Dichloroethylene | | | | >120 | >120 | >120 | | 1303 | 75-35-4, 540-59-0 |
| Dichlorohexylamine | | | | | | | | | |
| Dichloromethane | | | >240 | <=120 | <=400 | >480 | <=120 | 1593 | 75-09-2 |
| Diesel oil | | 60 | | >240 | >240 | >240 | >480 | 1202 | 68476-34-6 |
| Diethyl ether | | 240 | | >480 | >480 | >480 | | 1155 | 60-29-7 |
| Diethyl ether | 99% | | | >120 | >120 | >120 | <30 | 1155 | 60-29-7 |
| Diethyl oxalate | | | | >480 | >480 | >480 | | 2525 | 95-92-1 |
| Diethyl Sebacate | | | | >120 | >120 | >120 | >480 | | 110-40-7 |
| Diethyl sebazate | | | | >120 | >120 | >120 | >480 | | 110-40-7 |
| Diethylamine | | | >10 | >480 | >480 | >480 | >480 | 1154 | 109-89-7 |
| Diethylbenzene | | | | >120 | >120 | >120 | | 2049 | 105-05-5, 135-01-3, 141-93-5 |
| Diethylbenzene | | | | >120 | >120 | >120 | | 2049 | 135-01-3, 141-93-5 |
| Diethylen glycol | | | | >480 | >480 | >480 | | | 111-46-6 |
| Diethylene glycol | | | | >480 | >480 | >480 | | | 111-46-6 |
| Diethylene glycol ether | | | | | | | | | 112-36-7 |
| Diethylenetriamine | | <10 | | >480 | >480 | >480 | >480 | | 111-40-0 |
| Diisobutylene | | | | >480 | >480 | >480 | | 2050 | |
| Diisopropyl ether | | | | | | | | 1159 | 108-20-3 |
| Diisopropyl ketone | | | | | | | | 1224 | 565-80-0 |
| Diisopropylamine | | | | | 240 | | | 1158 | 108-18-9 |
| Diisopropylbenzene | | | | >480 | >480 | >480 | | 3082 | |
| Dimethyl ketone | | | | | | | | 1090 | 67-64-1 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|----------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|--------------------|
| Dimethyl phthalate | | | | >120 | >120 | >120 | | | 131-11-3 |
| Dimethyl sulphate | | | | | 240 | | | 1595 | 77-78-1 |
| Dimethylamine | | | | >120 | >120 | >120 | | 1032 | 124-40-3 |
| Dimethylbenzene | | | | >480 | >480 | >480 | | 1307 | 1330-20-7 |
| Dimethyldichlorosilan | Liquid, 20 °C | | | >60 | >120 | | >30 | | 75-78-5 |
| Dimethylether | Gaseous | >30 | | >240 | >240 | >240 | >240 | 1033 | 115-10-6 |
| Dimethylformamide | | | | >240 | >240 | >240 | | 2265 | 68-12-2 |
| Dimethylhydrazine | 98% | | | >240 | >240 | >240 | >480 | 1163 | 57-14-7 |
| Dinitrotoluene | | | | | | | | 2038 | 121-14-2 |
| Diocetyl phthalate | | | | >120 | >120 | >120 | 94 | | 117-81-7, 117-84-0 |
| Diocetyl sebacate | | 68 | | >120 | >120 | >120 | | | 122-62-3 |
| Dioxane | | | | >120 | >120 | >120 | >60 | 1165 | 123-91-1 |
| Dioxolane | | | | | | | | 1166 | 646-06-0 |
| Dipentene | | | | >240 | >240 | >240 | >480 | 2052 | 138-86-3 |
| Diphenyl | | | | >120 | >120 | >120 | | 3077 | 92-52-4 |
| Diphenyl ether | | | | | | | | 3077 | 101-84-8 |
| Diphenyl oxide | | | | >120 | >120 | >120 | | 3077 | 101-84-8 |
| Disulphur dichloride | | | | >480 | >480 | >480 | | 1828 | 10025-67-9 |
| Dowtherm A | | | | >240 | >240 | >240 | >480 | | 8004-13-5 |
| Epichlorohydrin | 99% | | | >120 | >120 | >120 | 120 | 2023 | 106-89-8 |
| Epoxymethyl acetate | 98% | | | | | | | | |
| Epoxypropane, 1,2- | | | | >480 | >480 | >480 | >480 | 1280 | 75-56-9 |
| Etchning/pickling solution | | 240 | | >480 | >480 | >480 | >480 | | |
| Ethane | | 240 | | >240 | >240 | >240 | >480 | 1035 | 74-84-0 |
| Ethane | | 240 | | >240 | >240 | >240 | >480 | 1035 | 74-84-0 |
| Ethanethiol | | | | >480 | >480 | >480 | >480 | 2363 | 75-08-1 |
| Ethanol | | | | >480 | >480 | >480 | >480 | 1170 | 64-17-5 |
| Ethanol | | <=10 | | >480 | >480 | >480 | >480 | 1170 | 64-17-5 |
| Ethanolamine | | 60 | | >480 | >480 | >480 | >480 | 2491 | 141-43-5 |
| Ethanolamine | | 60 | | >240 | >240 | >240 | >480 | 2491 | 141-43-5 |
| Ethene | | | | >120 | >120 | >120 | | 1038 / 1962 | 74-85-1 |
| Ethene | | | | >480 | >480 | >480 | | 1001 | 74-86-2 |
| Ether | | | | >120 | >120 | >120 | <30 | 1155 | 60-29-7 |
| Ethoxyethanol | | >=10 | | >480 | >480 | >480 | >480 | 1171 | 110-80-5 |
| Ethoxyethyl acetate | | | | >480 | >480 | >480 | >480 | 1172 | 111-15-9 |
| Ethyl acetate | | | | >480 | >480 | >480 | 180 | 1173 | 141-78-6 |
| Ethyl acetate | | | | | 60 | | | 1173 | 141-78-6 |
| Ethyl acetate | 99% | <10 | >480 | >480 | >480 | >480 | >480 | 1173 | 141-78-6 |
| Ethyl acrylate | | | | >480 | >480 | >480 | | 1917 | 140-88-5 |
| Ethyl acrylate | | <10 | | >120 | >120 | >120 | >120 | 1917 | 140-88-5 |
| Ethyl alcohol | | 240 | | >480 | >480 | >480 | >480/93 °C | 1170 | 64-17-5 |
| Ethyl alcohol | | 240 | | >480 | >480 | >480 | >480/93 °C | 1170 | 64-17-5 |
| Ethyl benzene | | | | >120 | >120 | >120 | | 1175 | 100-41-4 |
| Ethyl benzene | 99% | | | >120 | >120 | >120 | | 1175 | 100-41-4 |
| Ethyl benzoate | | | | | >480 | | | | 93-89-0 |
| Ethyl benzoate | | | | >480 | >480 | >480 | | | 93-89-0 |
| Ethyl cellosolve | | | | | | | | | 111-90-0 |
| Ethyl cellosolve | 98% | | | >480 | >480 | >480 | >480 | | 111-90-0 |
| Ethyl cellulose | | 120 | | >480 | >480 | >480 | >480 | | 9004-57-3 |
| Ethyl cellulose | | | | | | | | | 9004-57-3 |
| Ethyl chloride | | 120 | | >120 | >120 | >120 | >480 | 1037 | 75-00-3 |
| Ethyl chloride | | 120 | | >120 | >120 | >120 | >480 | 1037 | 75-00-3 |
| Ethyl chlorocarbonate | | | | >480 | >480 | >480 | | 1182 | 541-41-3 |
| Ethyl chlorocarbonate | | | | | | | | 1182 | 541-41-3 |
| Ethyl chloroformate | | | | >480 | >480 | >480 | | 1182 | 541-41-3 |
| Ethyl chlorohydrin | | | | >480 | >480 | >480 | | 1135 | 107-07-3 |
| Ethyl chlorohydrin | | | | >480 | >480 | >480 | | 1135 | 107-07-3 |
| Ethyl dichloride | | | | >480 | >480 | >480 | >480 | 1184 | 107-06-2 |
| Ethyl ether | | 120 | | >480 | >480 | >480 | >480 | 1155 | 60-29-7 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|------------|
| Ethyl formate | | | | >480 | >480 | >480 | | 1190 | 109-94-4 |
| Ethyl formate | | | | | | | | 1190 | 109-94-4 |
| Ethyl glycol | | 240 | | >120 | >120 | >120 | >480/93 °C | 1171 | 110-80-5 |
| Ethyl glycol | | | | >480 | >480 | >480 | >480 | 1171 | 110-80-5 |
| Ethyl glycol acetate | | | | | >30 | | | 1172 | 111-55-7 |
| Ethyl mercaptan | | | | | >30 | | | 2363 | 75-08-1 |
| Ethyl oxalate | | | | >480 | >480 | >480 | | 2525 | 95-92-1 |
| Ethyl pentachlorobenzene | | 30 | | >480 | >480 | >480 | | | |
| Ethyl silicate | | | | >480 | >480 | >480 | | 1292 | 78-10-4 |
| Ethyl silicate | | | | >480 | >480 | >480 | | 1292 | 78-10-4 |
| Ethylamine | | | | | | | | 1036 / 2270 | 75-04-7 |
| Ethylbutanols | | | | >480 | >480 | >480 | | 2275 | 97-95-0 |
| Ethylene | | | | >120 | >120 | >120 | >480 | 1962 | 74-85-1 |
| Ethylene alcohol | | | | >480 | >480 | >480 | >480/93 °C | | 107-21-1 |
| Ethylene chloride | | | | >120 | >120 | >120 | | 1184 | 107-06-2 |
| Ethylene chloride (1,1-) | | | | >480 | >480 | >480 | 240 | 2362 | 75-34-3 |
| Ethylene dichloride | | | | | | | | 1184 | 107-06-2 |
| Ethylene dichloride | | | | >480 | >480 | >480 | | 2362 | 75-34-3 |
| Ethylene dichloride | | | | >480 | >480 | >480 | | 1184 | 107-06-2 |
| Ethylene glycol | | | | >480 | >480 | >480 | | | 107-21-1 |
| Ethylene oxalate | | | | >480 | >480 | >480 | | | |
| Ethylene oxide | | | | | | | | 1040 | 75-21-8 |
| Ethylene oxide | | >30 | | >120 | >120 | >120 | >480 | 1040 | 75-21-8 |
| Ethylene, liquefied | | | | >480 | >480 | >480 | | 1038 / 1942 | 74-85-1 |
| Ethylenediamine | | <=10 | | >30 | | | | 1604 | 107-15-3 |
| Ethylmethyl ketone | | 5 | | 30 | 40 | | 120 | 1193 | 78-93-3 |
| Ethylmethyl ketone | | >10 | | >30 | >30 | >10 | >30 | 1193 | 78-93-3 |
| Ethylpentachlorobenzene | | 30 | | >480 | >480 | >480 | | | |
| Fat: Cod-liver oil | | 480 | | >120 | >120 | >120 | >480 | | |
| Fat: Animal fats | | 480 | | >120 | >120 | >120 | >480 | | |
| Fat: Lard | | 480 | | >120 | >120 | >120 | >480 | | |
| Fat: Silicone | | 480 | | >120 | >120 | >120 | >480 | | |
| Fatty acids | | 480 | | >240 | >240 | >240 | >480 | | |
| Fish oil | | 480 | | >240 | >240 | >240 | >480 | | |
| Fluorine | Liquid | | | >480 | >480 | >480 | >480 | 1045 | 7782-41-4 |
| Fluorobenzene | | | | >120 | >120 | >120 | 240 | 2387 | 462-06-6 |
| Fluoroboric acid | 65% | | | >480 | >480 | >480 | | 1775 | 16872-11-0 |
| Fluorohydrocarbons (oils) | | | | >480 | >480 | >480 | >480 | | |
| Fluorolube | | | | | >120 | | | | 9002-83-9 |
| Fluorosilicic acid | | | | >480 | >480 | >480 | >480 | 1778 | 16961-83-4 |
| Fluorosulphonic acid | | | | >480 | >480 | >480 | >480 | 1777 | 7789-21-1 |
| Formaldehyde | 37% | | | >480 | >480 | >480 | >480 | 1198 / 2209 | 50-00-0 |
| Formalin in solution >30% | | | | >240 | >240 | >240 | >480 | 1198 / 2209 | 50-00-0 |
| Formic acid | 92% | 220 | | >120 | >120 | >120 | >480 | 1779 | 64-18-6 |
| Formic acid ethyl ester | | | | | | | | 1190 | 109-94-4 |
| Formic acid methyl ester | | | | | | | | 1243 | 107-31-3 |
| Freon 11 | | | | >480 | >480 | >480 | >480 | 1956 | 75-69-4 |
| Freon 113 | 98% | 370 | | >480 | >480 | >480 | >480 | 1956 | 76-13-1 |
| Freon 114 | | 480 | | >480 | >480 | >480 | >480 | 1958 | 76-14-2 |
| Freon 114 B 2 | | | | >480 | >480 | >480 | >480 | | 124-73-2 |
| Freon 115 | | | | >480 | >480 | >480 | >480 | 1020 | 76-15-3 |
| Freon 12 | | 480 | | >480 | >480 | >480 | >480 | 1028 | 75-71-8 |
| Freon 13 | | | | >480 | >480 | >480 | >480 | 1022 | 75-72-9 |
| Freon 13 B 1 | | 480 | | >480 | >480 | >480 | >480 | 1009 | 75-63-8 |
| Freon 142 b | | | | | | | | 2517 | 75-68-3 |
| Freon 21 | | | | | | | | 1029 | 75-43-4 |
| Freon 218 | | | | >480 | >480 | >480 | | 2024 | 76-19-7 |
| Freon 22 | | | | >480 | >480 | >480 | >480 | 1018 | 75-45-6 |
| Freon 31 | | | | | | | | | 593-70-4 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|-------------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|--------------------|---------------------|
| Freon 32 | | | | | | | | | |
| Freon 502 | | | | | >120 | | | 1020 | 76-15-3 |
| Freon BF | | | | | | | | 1956 | 76-13-1 |
| Freon C 316 | | | | | | | | 2193 | 76-16-4 |
| Freon C 318 | | | | >480 | >480 | >480 | | 1976 | 115-25-3 |
| Freon MF | | | | | | | | 1956 | 75-69-4 |
| Freon T - WD 602 | | 480 | | >480 | >480 | >480 | >480 | | |
| Freon TA | | 480 | | | | | | | |
| Freon TC | | 480 | | >480 | >480 | >480 | | | |
| Freon TF | | 480 | | >480 | >480 | >480 | | 1965 | 76-13-1 |
| Freon TMC | | 120 | | >480 | >480 | >480 | | 1593 | 75-09-2 |
| Freon TP 35 | | 480 | | | | | | 1956 | 76-13-1 |
| Fumaric acid | | | | >480 | >480 | >480 | | 9212 | 110-17-8 |
| Fuming sulphuric acid | 65% | | | >480 | >480 | >480 | >480 | 1831 | 8014-95-7 |
| Furan (furfuran) | | | | >120 | >120 | >120 | 240 | 2389 | 110-00-9 |
| Furfural | | | | 240 | 120 | | >480 | 1199 | 98-01-1 |
| Furfurol | | | | >240 | >240 | >240 | >480 | 2874 | 98-00-0 |
| Furnace gas | | | | >480 | >480 | >480 | | | |
| Furylmethanol | | | | | | | | 1199 | 98-01-1 |
| Gallic acid | | | | >480 | >480 | >480 | | | 149-91-7 |
| Gasohol | | | | >480 | >480 | >480 | | 1203 | 86290-81-5 |
| Gasoline | | 120 | | 240 | >480 | | >480 | 1203 | 86290-81-5 |
| Gelatins | | 480 | | >480 | >480 | >480 | >480 | | 9000-70-8 |
| Generator gas | | 480 | | >480 | >480 | >480 | >480 | | |
| Glauber's salt | | 480 | | >480 | >480 | >480 | >480 | 1993 | 7727-73-3 |
| Glucose | | 480 | | >480 | >480 | >480 | >480 | | |
| Glue | | 480 | | >480 | >480 | >480 | >480 | | |
| Glycerin | | 480 | | >480 | >480 | >480 | >480 | 9278 | 56-81-5 |
| Glycerin oil | | 480 | | | | | | 9278 | 56-81-5 |
| Glycerol triacetate | | | | >480 | >480 | >480 | >480 | | 102-76-1 |
| Glycol | | 240 | | >480 | >480 | >480 | >480 | | 107-21-1 |
| Glycol monoethyl ether | | | | >480 | >480 | >480 | | 1171 | 110-80-5 |
| Heating oil (fuel oil) | | 120 | | >240 | >240 | >240 | >480 | 1202 | |
| Hexamethylene diisocyanate | | | | | | | | 2281 | 822-06-0 |
| Hexanal | | 120 | | >480 | >480 | >480 | >480 | 1207 | 66-25-1 |
| Hexane | | 120 | | >480 | >480 | >480 | >480 | 1208 | 110-54-3 |
| Hexanol | | | | >480 | >480 | >480 | >480 | 2282 | 111-27-3 |
| Hexanone-2 | | | | >480 | >480 | >480 | >480 | 1993 | 591-78-6 |
| Hexene-1 | | 480 | | >240 | >240 | >240 | >480 | 2370 | 592-41-6 |
| Hydraulic oil | | 480 | | >120 | >120 | >120 | >480 | | |
| Hydrazine | Liquid, 15% | 120 | | >480 | >480 | >480 | >480 | 2029 / 2030 | 302-01-2, 7803-57-8 |
| Hydrobromic acid | | | | >480 | >480 | >480 | | 1048 / 1788 | 10035-10-6 |
| Hydrochloric acid | 37% | 480 | | >480 | >480 | >480 | >480 | 1050 / 1789 | 7647-01-0 |
| Hydrochloride | Gaseous | | | >480 | >480 | >480 | | 1050 | 7647-01-0 |
| Hydrocyanic acid | 99% | | | >480 | >480 | >480 | >480 | 1051 | 74-90-8 |
| Hydrocyanic acid | Gaseous | | | >480 | >480 | >480 | >480 | 1051 | 74-90-8 |
| Hydrogen chloride (gas) | 21° C | >480 | >480 | >480 | >480 | >480 | >480 | 1789 | 7647-01-0 |
| Hydrogen cyanide | | >10 | | >480 | >480 | >480 | >480 | 1051 / 1613 / 1614 | 74-90-8 |
| Hydrogen fluoride | 37% | >120 | | >480 | >480 | >480 | >480 | 1790 | 7664-39-3 |
| Hydrogen fluoride | 48% | >120 | | >480 | >480 | >480 | >480 | 1790 | 7664-39-3 |
| Hydrogen fluoride | 75% | | | >240 | >240 | >240 | >480 | 1790 | 7664-39-3 |
| Hydrogen fluoride | 92% 90 °C | | | >30 | >60 | >60 | >10 | 1052 | 7664-39-3 |
| Hydrogen fluoride | | | | >480 | >480 | >480 | >480 | 1052 | 7664-39-3 |
| Hydrogen fluoride gas, concentrated | 100% | | | >30 | >60 | >60 | >10 | 1790 | 7664-39-3 |
| Hydrogen peroxide | 10% | >480 | | >480 | >480 | >480 | >480 | 2015 | 7722-84-1 |
| Hydrogen peroxide (30%) | 30% | >480 | | >480 | >480 | >480 | >480 | 2015 | 7722-84-1 |
| Hydrogen sulphate, aqueous solution | | | | >480 | >480 | >480 | >480 | 2837 | 7681-38-1 |
| Hydrogen sulphide | Wet, hot | | | >480 | >480 | >480 | >480 | 1053 | 04/06/7783 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|-----------------------|
| Hydrogen sulphide, aqueous solution | | | | >480 | >480 | >480 | >480/132 °C | 1719 | |
| Hydrogen sulphide, liquefied | Wet, cold | | | >480 | >480 | >480 | >480 | 1053 | 04/06/7783 |
| Hydrogen superoxide | 90% | | | >240 | >120 | | | 2015 | 7722-84-1 |
| Hydrogen superoxide, concentrations <60% peroxide | dil. | | | >240 | | | | 2015 | 7722-84-1 |
| Hydrogen superoxide, concentrations >60% peroxide | conc. | | | >240 | | | | 2015 | 7722-84-1 |
| Hydrogen, compressed | Gaseous | 480 | | >480 | >480 | >480 | >480 | 1049 | 1333-74-0 |
| Hydroquinone | | | | >240 | >240 | >240 | | 2662 | 123-31-9 |
| Hyperchlorous acid | | | | >480 | >480 | >480 | >480 | 2626 | 7790-93-4 |
| Hypochlorous acid | | | | >480 | >480 | >480 | >480 | | 92112-70-4 |
| Iodine pentafluoride | | | | | | | | 2495 | 7783-66-6 |
| Iodine, wet | | | | >480 | >480 | >480 | >480 | 3290 | 7553-56-2 |
| Iron (III) chloride, granulate | | | | >480 | >480 | >480 | >480 | 2582 | 10025-77-1 |
| Iron chloride | | 480 | | >480 | >480 | >480 | >480 | 1773 / 2582 | 7705-08-0 |
| Iron nitrate | | | | >480 | >480 | >480 | >480 | 1466 | 10421-48-4 |
| Iron sulphate | | >480 | | >480 | >480 | >480 | >480 | | 7720-78-7 |
| Isoamyl alcohols | | | | >480 | >480 | >480 | | 1105 | 125-51-3 |
| Isobutanol | | | | >480 | >480 | >480 | >480 | 1212 | 78-83-1 |
| Isobutyl alcohol | | | | >480 | >480 | >480 | >480 | 1212 | 78-83-1 |
| Isobutylamine | | | | | >120 | | | 1214 | 78-81-9 |
| Isocyanate | Liquid, 20 °C | <10 | | >480 | >480 | >480 | >480 | - | 5124-30-1 |
| Isocotane | | 97 | | >480 | >480 | >480 | >480 | 1262 | 540-84-1 |
| Isophorone | | 35 | | >120 | >120 | >120 | | 9018 | 78-59-1 |
| Isopropanol | | | | >480 | >480 | >480 | | 1219 | 67-63-0 |
| Isopropenylbenzene | | | | >480 | >480 | >480 | >120 | | 98-83-9 |
| Isopropyl acetate | | 22 | | >120 | >120 | >120 | | 1220 | 108-21-4 |
| Isopropyl alcohol | | | | >480 | >480 | >480 | >480 | 1219 | 67-63-0 |
| Isopropyl chloride | | | | >120 | >120 | >120 | >480 | 2356 | 75-29-6 |
| Isopropyl ether | | 45 | | >240 | >240 | >240 | 130 | 1159 | 108-20-3 |
| Isopropylbenzene | | | | >120 | >120 | >120 | | 1918 | 98-82-8 |
| Jet fuel A | | | | >480 | >480 | >480 | >480 | | |
| Jodoform | | | | | | | | | 75-47-8 |
| JP-4 | | | | >480 | >480 | >480 | >480 | | 50815-00-4 |
| JP-5 jet fuel | | | | >480 | >480 | >480 | >480 | 1223 | 8008-20-6 |
| JP-6 | 38°C | | | >480 | >480 | >480 | >480 | | |
| Kerosene | | >=10 | | >240 | >240 | >240 | >480 | 1230 | 8008-20-6 |
| Lactic acid | | 480 | | >120 | >120 | >120 | >480 | | 50-21-5 |
| Lactic acid ethyl ester | | | | >480 | >480 | >480 | >480 | 1192 | 97-64-3 |
| Lard | | 480 | | >480 | >480 | >480 | >480 | | |
| Lavender oil | | 480 | | >240 | >240 | >240 | >480 | | |
| Lead | | >480 | | >480 | >480 | >480 | >480 | - | 7439-92-1 |
| Lead acetate | | | | >480 | >480 | >480 | >480 | 1616 | 301-04-2 |
| Lead nitrate | | | | >480 | >480 | >480 | >480 | 1469 | 10099-74-8 |
| Lead sulfamate | | | | >480 | >480 | >480 | >480 | 2291 | 13767-78-7 |
| Lewisite (L) | | | | >480 | >480 | >90 | >420 | | |
| Linoleic acid | | 60 | | 120 | >120 | | >480 | | 60-33-3 |
| Linseed oil | | 480 | | >480 | >480 | >480 | >480 | | 8001-26-1 |
| Lubricating oils (petroleum) | | 480 | | >480 | >480 | >480 | >480 | | |
| Magnesium bisulphite | Solid | | | >120 | >120 | >120 | >120 | | |
| Magnesium chloride | | 480 | | >480 | >480 | >480 | >480 | | 7786-30-3 |
| Magnesium chloride solutions | | | | >480 | >480 | >480 | >480 | | 17638-61-8 |
| Magnesium hydroxide | | 480 | | >480 | >480 | >480 | >480 | | 1309-42-8 |
| Magnesium hydroxide solutions | | | | >480 | >480 | >480 | >480 | | 1309-42-8 |
| Magnesium sulphate (Epsom salts) | | | | >480 | >480 | >480 | >480 | | 7487-88-9, 10034-99-8 |
| Maize oil | | 480 | | >480 | >480 | >480 | >480 | | 8001-30-7 |
| Maleic acid | | >30 | | >120 | >120 | >120 | >480 | 3261 | 110-16-7 |
| Maleic anhydride | | >30 | | >480 | >480 | >480 | >480 | 2215 | 108-31-6 |
| Malic acid | | 480 | | >480 | >480 | >480 | >480 | | 617-48-1 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---|----------------------------|-----------|----------|---------|---------|---------|-------------|-------------|-----------------------|
| MDA | 65% MDA & 35% formaldehyde | | | >480 | >480 | >480 | >480 | 2651 | 101-77-9 |
| MEK (methyl ethyl ketone) | | 5 | | >120 | >120 | >120 | 120 | 1193 | 78-93-3 |
| Mercury | | 480 | | >480 | >480 | >480 | >480 | 2809 | 7439-97-6 |
| Mercury chloride | 99% | | | >480 | >480 | >480 | >480 | 1624 / 3077 | 7487-94-7, 10112-91-1 |
| Mercury nitrate | | | | >480 | >480 | >480 | >480 | 1625 | 10045-94-0 |
| Mercury(II) chloride solutions | | | | >480 | >480 | >480 | >480 | 1624 | 7487-94-7 |
| Mesityl oxide | | | | >120 | >120 | >120 | | 1229 | 141-79-7 |
| Methacrylic acid | | | | >480 | >480 | >480 | >480 | 2531 | 79-41-4 |
| Methacrylic acid | | | | >480 | >480 | >480 | | 2823 | 107-93-7 |
| Methacrylic acid methyl ester | | | | | | | | 1247 | 80-62-6 |
| Methane | | 240 | | >240 | >240 | >240 | >480 | 1971 | 74-82-8 |
| Methanol | | <=10 | >480 | >480 | >480 | >480 | >480 | 1230 | 67-56-1 |
| Methoxyethyl acetate | 98% | | | | | | | 1189 | 110-49-6 |
| Methyl acetate | | | | >120 | >120 | >120 | >480 | 1231 | 79-20-9 |
| Methyl acrylate | | | | >120 | >120 | >120 | | 1919 | 96-33-3 |
| Methyl alcohol | | | | >480 | >480 | >480 | >480 | 1230 | 67-56-1 |
| Methyl bromide | | | | 120 | 280 | | 260 | 1062 | 74-83-9 |
| Methyl bromide | | | | >480 | >480 | >480 | | 1062 | 74-83-9 |
| Methyl butyl ketone | | | | | | | | 1993 | 591-78-6 |
| Methyl cellosolve | | | | >480 | >480 | >480 | | 1188 | 109-86-4 |
| Methyl chloride | | | | >120 | >120 | >120 | >480 | 1063 | 74-87-3 |
| Methyl chloroacetate | | | | >480 | >480 | >480 | | 2295 | 96-34-4 |
| Methyl cyanide | | | | | | | | 1648 | 75-05-8 |
| Methyl cyanide | | | | | | | | 1648 | 75-05-8 |
| Methyl formate | | | | | | | | 1243 | 107-31-3 |
| Methyl glycol | | | | >240 | >240 | >240 | >480 | 1188 | 109-86-4 |
| Methyl hydrazine | | | | >240 | >240 | >240 | >60 | | 60-34-4 |
| Methyl isobutyl ketone | | | | >120 | >120 | >120 | | 1229 | 141-79-7 |
| Methyl methacrylate | | | | | | | | 1247 | 80-62-6 |
| Methyl oleate | | | | >480 | >480 | >480 | | | 112-62-9 |
| Methylaniline | | | | | >120 | | | 2294 | 100-61-8 |
| Methylbenzene | | | | | | | | 1294 | 108-88-3 |
| Methylbenzene | | | | >480 | >480 | >480 | | 1294 | 108-88-3 |
| Methylchloroform | | | | >120 | >120 | >120 | | 2831 | 71-55-6 |
| Methylcyclopentane | | | | >480 | >480 | >480 | | 2298 | 96-37-7 |
| Methylenedianiline | | | | >480 | >480 | >480 | | 2651 | 101-77-9 |
| Methylene bromide | | | | | | | | 2664 | 74-95-3 |
| Methylene chloride | | | | >120 | >120 | >120 | 220 | 1593 | 75-09-2 |
| Methylhydrazine (= monomethylhydrazine) | | | | 60 | 60 | | 80 | 1244 | 60-34-4 |
| Methylisopropylbenzene | | | | >480 | >480 | >480 | | 2046 | 99-87-6 |
| Methylparathion | 10% | | | | | | | 2783 | 298-00-0 |
| Methylparathion | 57% | | | | | | | 2783 | 298-00-0 |
| Methylpentane | | | | | | | | 1208 | 107-83-5 |
| Milk | | 480 | | >480 | >480 | >480 | >480 | | |
| Mineral oil | | 480 | | >480 | >480 | >480 | >480 | 1267 | 09/05/8002 |
| Mineral oil, crude oil | | | | >240 | >240 | >240 | >480 | 1268 | 8002-05--9 |
| Mirbane | | | | | | | | 1662 | 98-95-3 |
| Monochloroacetic acid, solid | | | | >480 | >480 | >480 | >480 | 1750 / 1751 | 79-11-8 |
| Monochlorobenzene | | | | >120 | >120 | >120 | | 1134 | 108-90-7 |
| Monoethanolamine | | | | | | | | 2491 | 141-43-5 |
| Monomethyl aniline | | | | | >120 | | | 2294 | 100-61-8 |
| Monomethylamine | | | | | | | | 1061 / 1235 | 74-89-5 |
| Monovinyl acetylene | | | | >480 | >480 | >480 | | | 689-97-4 |
| Mustard gas (HD) - SUIT COMPONENTS TESTED | | | | >480 | >480 | >480 | >480 | | 505-60-2 |
| m-xylene | | | | | | | | 1307 | 108-38-3 |
| n,n-dimethylacetamide | | | | | | | | | 127-19-5 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|-------------------|
| n-amylacetate | 99% | | | | | | | 1104 | 628-63-7 |
| Naphtalene | | 65 | | >240 | >240 | >240 | >480 | 1334 / 2304 | 91-20-3 |
| Naphtha | | 23 | | >120 | >120 | >120 | >480 | 1203 | 86290-81-5 |
| Naphtha mixture | | | | | | | >480 | | |
| Naphthenic acid | | | | >480 | >480 | >480 | | | |
| Naphtholsulphonic acids | | | | >480 | >480 | >480 | | | |
| Natural gas, compressed | | 120 | | >240 | >240 | >240 | >480 | 1971 | 74-82-8 |
| Natural gas, liquefied (LPG) | | | | >480 | >480 | >480 | >480 | 1972 | 74-82-8 |
| n-butanol | 99% | | | | | | | 1120 | 71-36-3 |
| n-butyl acrylate | | | | >30 | >30 | >30 | >30 | | 141-32-2 |
| n-butyl mercaptan | | | | | | | | 2347 | 109-79-5 |
| Neatsfoot oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Neville's acid | | | | >480 | >480 | >480 | | | |
| n-heptane | | | >480 | >480 | >480 | >480 | >480 | 1206 | 142-82-5 |
| n-hexane | 93°C | | | >480 | >480 | >480 | >480 | 1208 | 110-54-3 |
| Nickel acetate | | >30 | | >120 | >120 | >120 | >480 | | 373-02-4 |
| Nickel chloride | | | | >480 | >480 | >480 | | 3288 | 7718-54-9 |
| Nickel sulphate | | 480 | | >480 | >480 | >480 | >480 | 3077 | 7786-81-4 |
| Nicocide | | | | | | | | 1654 | 54-11-5 |
| Nicotine | | 480 | | >480 | >480 | >480 | >480 | 1654 | |
| Nitric acid | 70% | <10 | | >120 | >120 | >120 | <60 | 2031 | 7697-37-2 |
| Nitric acid | 10% | 240 | | >240 | >240 | >240 | >480 | 2031 | 7697-37-2 |
| Nitric acid | 30% | 240 | | >240 | >240 | >240 | >480 | 2031 | 7697-37-2 |
| Nitric acid | 65% | >30 | | >120 | >120 | >120 | <120 | 2031 | 7697-37-2 |
| Nitric acid | 90% | <10 | | >120 | >120 | >120 | <30 | 2032 | 7697-37-2 |
| Nitric acid dibenzyl ester | | | | >480 | >480 | >480 | | | |
| Nitric acid dibutyl ester | | | | | >120 | | | | |
| Nitric acid diethyl ester | | | | | >120 | | | 9116 | 625-58-1 |
| Nitric acid dioctyl ester | | | | | | | | | |
| Nitric acid propyl ester | | | | | | | | 1865 | 627-13-4 |
| Nitrobenzene | | | | >120 | >120 | >120 | 220 | 1662 | 98-95-3 |
| Nitroethane | | | | | >120 | | | 2842 | 79-24-3 |
| Nitroethane | | | | | >120 | | | 2842 | 79-24-3 |
| Nitrogen (elementar) | gas | >480 | | >480 | >480 | >480 | >480 | 1066 | 7727-37-9 |
| Nitrogen (liquid) | minus 196° C | <5 | | <5 | >5 | <5 | <5 | 1066 | 7727-37-9 |
| Nitrogen dioxide | 99% | | | >480 | >480 | >480 | >480 | 1067 | 10102-44-0 |
| Nitrogen tetroxide | | | | >480 | >480 | >480 | >480 | 1067 | 10102-44-0 |
| Nitromethane | 98% | | | >240 | >240 | >240 | | 1261 | 75-52-5 |
| Nitropropane | | | | >120 | >120 | >120 | | 2608 | 108-03-2, 79-46-9 |
| n-octane | | | | >480 | >480 | >480 | | 1262 | 111-65-9 |
| n-octane | | | | >120 | >120 | >120 | | 1262 | 111-65-9 |
| n-propyl acetate | | | | | >30 | | | 1276 | 109-60-4 |
| Octachlorotoluene | | | | >480 | >480 | >480 | | | |
| Octadecane | | 480 | | >480 | >480 | >480 | | | 593-45-3 |
| Octanols | | | | >480 | >480 | >480 | | 1987 | |
| Octyl alcohol | | | | >480 | >480 | >480 | | 3082 | 111-87-5 |
| o-dichlorobenzene | | | | >480 | >480 | >480 | | 1591 | 95-50-1 |
| Oleic acid | | 240 | | >120 | >120 | >120 | >480 | | 112-80-1 |
| Oleic acid butyl ester | | | | >480 | >480 | >480 | >480 | | 142-77-8 |
| Oleic acid methyl ester | | | | >480 | >480 | >480 | | | 112-62-9 |
| Oleum | 20% | 10 | | >120 | >120 | >120 | >480 | 1831 | 8014-95-7 |
| Oleum | 40% | | | >120 | >120 | >120 | >480 | 1831 | 8014-95-7 |
| Oleum | | | | >120 | >120 | >120 | >480 | 1831 | 8014-95-7 |
| Olive oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Orthophosphoric acid | | | | >480 | >480 | >480 | | 1805 | 7664-38-2 |
| Orthotolidine | | | | | | | | 3077 | 119-93-7 |
| Oxalic acid | | | | >480 | >480 | >480 | >480 | | 144-62-7 |
| Oxalic acid diethyl ester | | | | >480 | >480 | >480 | | 2525 | 95-92-1 |
| Oxirane | | | | >120 | >120 | >120 | | 1040 | 75-21-8 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|-------------|
| Oxygen, chilled, liquefied | Cold | 480 | | >480 | >480 | >480 | >480 | 1072 | 7782-44-7 |
| Oxygen, compressed | 100–200 °C | | | | >120 | | >480 | 1072 | 7782-44-7 |
| Oxymethylene (formaldehyde) | | | | >480 | >480 | >480 | | 1198 | 50-00-0 |
| Ozone | | 480 | | >480 | >480 | >480 | >480 | | 10028-15-6 |
| Paint (or lacquer) solvent | | | | >480 | >480 | >480 | 120 | | |
| Paint (or varnish) | | | | >480 | >480 | >480 | >480 | | |
| Paint thinner | | | | | | | | | |
| Palladium, powder | | >120 | | >480 | >480 | >480 | >480 | | 03/05/7440 |
| Palmitic acid | | 480 | | >240 | >240 | >240 | >480 | | 57-10-3 |
| PCB in trichlorobenzene (50/50) | | | | >480 | >480 | >480 | | | |
| p-cymene | | | | | | | | 2046 | 99-87-6 |
| Peanut oil | | 230 | | >480 | >480 | >480 | >480 | | |
| Pentanol | | | | >480 | >480 | >480 | | 1105 | |
| Pentyl acetate | | | | | >30 | | | 1104 | 628-63-7 |
| Perchloric acid | | | | >480 | >480 | >480 | | 1873 | 7601-90-3 |
| Perchloroethylene | 99% | 60 | | >120 | >120 | >120 | | 1897 | 127-18-4 |
| Petroleum | <25 °C | 68 | | >240 | >240 | >240 | >480 | 1268 | |
| Petroleum | >25 °C | | | >240 | >240 | >240 | >480 | 1268 | |
| Petroleum ether | | | | >480 | >480 | >480 | >480 | 1203 | 86290-81-5 |
| Phenol | 85% | | | >240 | >240 | >240 | >480 | 1671 | 108-95-2 |
| Phenol | 99% | | | >240 | >240 | >240 | >480 | 1671 | 108-95-2 |
| Phenol solution | 50% | | | | >120 | | | 1671 / 2821 | 108-95-2 |
| Phenylamine | | | | >480 | >480 | >480 | | 1547 | 62-53-5 |
| Phenylbenzene | | | | | >480 | | | 3077 | 92-52-4 |
| Phenylethylene | | | | | | | | 2055 | 100-42-5 |
| Phenylhydrazine | | | | >480 | >480 | >480 | | 2572 | 100-63-0 |
| Phenylmethane | | | | | | | | 1294 | 108-88-3 |
| Phosgene | 20° (gaseous) | | | >240 | >240 | >240 | >30 | | 000075-44-5 |
| Phosphine | | | | >240 | >240 | >240 | >30 | 2199 | 7803-51-2 |
| Phosphoric acid | 20% | 480 | | >480 | >480 | >480 | >480 | 1805 | 7664-38-2 |
| Phosphoric acid | 45 + 60% | 480 | | >480 | >480 | >480 | >480 | 1805 | 7664-38-2 |
| Phosphoric acid | 85% | | | >480 | >480 | >480 | >480/93 °C | 1805 | 7664-38-2 |
| Phosphoric acid tributyl ester | | | | | | | | | 126-73-8 |
| Phosphoric acid tricresyl ester | | | | | >120 | | | 2574 | 1330-78-5 |
| Phosphoric acid trioctyl ester | | | | | >120 | | | | 1806-54-8 |
| Phosphorus trichloride | | | | >480 | >480 | >480 | | 1809 | 02/12/7719 |
| Phthalic acid dibutyl ester | | | | | >120 | | | 3082 | 84-74-2 |
| Phthalic acid diethyl ester | | | | >480 | >480 | >480 | | | 84-66-2 |
| Phthalic acid dimethyl ester | | | | | >120 | | | | 131-11-3 |
| Phthalic acid dioctyl ester | | | | | >120 | | | | 117-81-7 |
| Picric acid | | 240 | | >480 | >480 | >480 | >480 | 0154 / 1344 | 88-89-1 |
| Pine needle oil (pinimenthol) | | | | >480 | >480 | >480 | >480 | | |
| Pinene | | 240 | | >120 | >120 | >120 | | 2368 | 7785-26-4 |
| Piperidine | | | | | | | | 2401 | 110-89-4 |
| Polychlorinated biphenyls | | | | >120 | >120 | >120 | >480 | 2315 | 53469-21-9 |
| Polychlorinated diphenyl | 90 °C | | | | | | | | |
| Potassium | | | | >480 | >480 | >480 | >480 | 2257 | 07/09/7440 |
| Potassium (gold) cyanide | Solid | >480 | | >480 | >480 | >480 | >480 | | 13967-50-5 |
| Potassium acetate | 98% | | | >120 | >120 | >120 | | | 127-08-2 |
| Potassium aluminium sulphate | | | | >480 | >480 | >480 | >480 | | 10043-67-1 |
| Potassium bichromate | | 480 | | >480 | >480 | >480 | >480 | 3288 | 7778-50-9 |
| Potassium chloride | | 480 | | >480 | >480 | >480 | >480 | | 7447-40-7 |
| Potassium chromate | 98% | | | >480 | >480 | >480 | >480 | 3288 | 7789-00-6 |
| Potassium cuprocyanide | | 480 | | >480 | >480 | >480 | >480 | 1679 | 13682-73-0 |
| Potassium cyanide | | | | >480 | >480 | >480 | | 1680 | 151-50-8 |
| Potassium cyanide | | 480 | | >480 | >480 | >480 | >480 | 1680 | 151-50-8 |
| Potassium dichromate solutions | | | | >480 | >480 | >480 | >480 | 3288 | 7778-50-9 |
| Potassium hydrogen fluoride | | >480 | | >480 | >480 | >480 | >480 | | 7789-29-9 |
| Potassium hydroxide | | | | >480 | >480 | >480 | >480 | 1813 / 1814 | 1310-58-3 |

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| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---------------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|------------|
| Potassium hydroxide | | 245 | | >480 | >480 | >480 | >480 | 1813 / 1814 | 1310-58-3 |
| Potassium nitrate | | 480 | | >480 | >480 | >480 | >480 | 1486 | 7757-79-1 |
| Potassium permanganate | 30% | | | >480 | >480 | >480 | >480 | 1490 | 7722-64-7 |
| Potassium sulphate | | 480 | | >480 | >480 | >480 | >480 | | 7778-80-5 |
| Propane | | 240 | | >240 | >240 | >240 | >480 | 1978 / 1965 | 74-98-6 |
| Propanol, normal | | | | >480 | >480 | >480 | >480 | 1274 | 71-23-8 |
| Propanone-2 | | | | | | | | 1090 | 67-64-1 |
| Propene | | | | >480 | >480 | >480 | | 1077 | 115-07-1 |
| Propyl alcohol | | | | >480 | >480 | >480 | | 1274 | 71-23-8 |
| Propylene | | | | >120 | >120 | >120 | | 1077 | 115-07-1 |
| Propylene ether | | | | | | | | 1280 | 75-56-9 |
| Propylene oxide | | <10 | | >120 | >120 | >120 | <30 | 1280 | 75-56-9 |
| Propylnitrate | | | | | | | | 1865 | 627-13-4 |
| Pydraul | | | | >480 | >480 | >480 | >480 | | |
| Pyran | | 240 | | | | | | | |
| Pyridine | | | | >240 | >240 | >240 | >480 | 1282 | 110-86-1 |
| Pyrolic acid | | | | >480 | >480 | >480 | | 2789 | 64-19-7 |
| Pyrrrole | | | | >240 | >240 | >240 | | 1993 | 109-97-7 |
| Rapeseed oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Salicylic acid | | 240 | | >480 | >480 | >480 | >480 | 2811 | 69-72-7 |
| Salicylic acid methyl ester | | | | | | | | | 119-36-8 |
| Sarin (GB) - SUIT COMPONENTS TESTED | | | | >480 | >480 | >480 | | | |
| Sea water | | 480 | | >480 | >480 | >480 | >480 | | 7647-14-5 |
| Sea water | | 480 | | >480 | >480 | >480 | >480 | | |
| Silicic acid ester | | 480 | | >480 | >480 | >480 | >480 | 1292 | 78-10-4 |
| Silicic acid tetraethyl ester | | | | >480 | >480 | >480 | | 1292 | 78-10-4 |
| Silicone grease | | 480 | | >480 | >480 | >480 | >480 | | |
| Silicone oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Silver nitrate | | 480 | | >480 | >480 | >480 | >480 | 1493 | 7761-88-8 |
| Skydrol | | | | >240 | >240 | >240 | 120 | | |
| Soap solutions | | 480 | | >480 | >480 | >480 | >480 | | |
| Soda lime | | | | >480 | >480 | >480 | >480 | 1907 | 8006-28-8 |
| Sodium acetate | | | | >480 | >480 | >480 | >480 | 9246 | 127-09-3 |
| Sodium bicarbonate | | | | >480 | >480 | >480 | >480 | | 144-55-8 |
| Sodium bisulphite | | | | >480 | >480 | >480 | >480 | 2693 | 7631-90-5 |
| Sodium borate | | | | >480 | >480 | >480 | >480 | | 1330-43-4 |
| Sodium carbonate | | | | >480 | >480 | >480 | >480 | 9319 | 497-19-8 |
| Sodium carbonate | | 480 | | >480 | >480 | >480 | >480 | | 497-19-8 |
| Sodium chloride | | 480 | | >480 | >480 | >480 | >480 | | 7647-14-5 |
| Sodium cyanide | 98% | | | >480 | >480 | >480 | >480 | 1689 / 3414 | 143-33-9 |
| Sodium dichromate | 20% | | | >480 | >480 | >480 | >480 | 3288 | 7789-12-0 |
| Sodium dichromate | 3% | 480 | | >480 | >480 | >480 | >480 | 3288 | 7789-12-0 |
| Sodium fluoride | Solid | <240 | | >480 | >480 | >480 | >480 | | 7681-49-4 |
| Sodium hydrogen sulphate | | <240 | | >480 | >480 | >480 | >480 | | 7681-38-1 |
| Sodium hydrogen sulphide | | <240 | | >480 | >480 | >480 | >480 | 2693 | 7631-90-5 |
| Sodium hydrogencarbonate | | | | >480 | >480 | >480 | >480 | | 144-55-8 |
| Sodium hydroxide | 98% | <240 | | >120 | >120 | >120 | >480 | 1823 | 1310-73-2 |
| Sodium hydroxide | 20% | <240 | | >120 | >120 | >120 | >480/93 °C | 1823 / 1824 | 1310-73-2 |
| Sodium hydroxide | 40% | <240 | >480 | >480 | >480 | >480 | >480 | 1823 / 1824 | 1310-73-2 |
| Sodium hydroxide | 50% | <240 | | >120 | >120 | >120 | >480/140 °C | 1823 / 1824 | 1310-73-2 |
| Sodium hydroxide | 73% | <240 | | >120 | >120 | >120 | >480/138 °C | 1823 / 1824 | 1310-73-2 |
| Sodium hydroxide | 40% | >480 | | >480 | >480 | >480 | >480 | 1824 | 1310-73-2 |
| Sodium hypochlorite with chlorine 13% | Liquid | >480 | | >480 | >480 | >480 | >480 | 1791 | 7681-52-9 |
| Sodium metaphosphate | | | | >480 | >480 | >480 | >480 | | 10124-56-8 |
| Sodium nitrate | | | | >480 | >480 | >480 | >480 | 1498 | 7631-99-4 |
| Sodium perborate | | | | >480 | >480 | >480 | >480 | 3247 | 04/04/7632 |
| Sodium peroxide | | | | >480 | >480 | >480 | >480 | 1504 | 1313-60-6 |
| Sodium persulphate | Liquid, 20 °C | <30 | | >480 | >480 | >480 | >480 | | 7775-27-1 |
| Sodium phosphate | | 480 | | >120 | >120 | >120 | >480 | | 7601-54-9 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---|-----------------|-----------|----------|---------|---------|---------|-------------|-------|-----------------------|
| Sodium silicate | | | | >480 | >480 | >480 | | | 1344-09-8, 13870-30-9 |
| Sodium sulphate, anhydrous | | 480 | | >480 | >480 | >480 | >480 | | 7757-82-6 |
| Sodium tetraborate | | | | >480 | >480 | >480 | | | 1303-96-4 |
| Sodium thiosulphate | | 480 | | >480 | >480 | >480 | | | 7772-98-7 |
| Sodium, cake | | 480 | | >480 | >480 | >480 | >480 | 1428 | 7440-23-5 |
| Soman (GD) | | | | >480 | >180 | >480 | >180 | | |
| Soyabean oil as solvent | | 480 | | >240 | >240 | >240 | >480 | | 8001-22-7 |
| St. John's oil | | 480 | | >240 | >240 | >240 | >480 | 1547 | 62-53-3 |
| Steam below 150 °C | | | | >30 | >240 | >240 | >480 | | |
| Stearic acid | | 480 | | >240 | >240 | >240 | >480 | | 57-11-4 |
| Stearic acid butyl ester | | | | >480 | >480 | >480 | | | 123-95-5 |
| Stoddard solvent | | 480 | | >480 | >480 | >480 | >480 | 1300 | 8052-41-3 |
| Styrene | 99% | | | | | | | 2055 | 100-42-5 |
| Styrene | 98% | <10 | | >120 | >120 | >120 | >120 | 2055 | 100-42-5 |
| Succinic acid | Solid, 20 °C | 480 | | >480 | >480 | >480 | >480 | | 110-15-6 |
| Sugar solutions, beet sugar | | 480 | | >480 | >480 | >480 | >480 | | 57-50-1 |
| Sugar solutions, beet sugar | | 480 | | >480 | >480 | >480 | >480 | | |
| Sugar solutions, cane sugar | | 480 | | >480 | >480 | >480 | >480 | | 57-50-1 |
| Sugar solutions, cane sugar | | 480 | | >480 | >480 | >480 | >480 | | |
| Sulfole | | | | >480 | >480 | >480 | >480 | | |
| Sulphite liquor | | | | >480 | >480 | >480 | >480 | | |
| Sulphur | | | | >480 | >480 | >480 | >480 | 1350 | 7704-34-9 |
| Sulphur chloride | | | | >480 | >480 | >480 | >480 | 1828 | 10025-67-9 |
| Sulphur dioxide | | | | >480 | >480 | >480 | >480 | 1079 | 05/09/7446 |
| Sulphur hexafluoride | | | | >480 | >480 | >480 | | 1080 | 2551-62-4 |
| Sulphur lime | | | | >480 | >480 | >480 | >480 | | 1344-81-6 |
| Sulphur trioxide | | | | >240 | >240 | >240 | >480 | 1829 | 09/11/7446 |
| Sulphuric acid | 96% | >480 | >480 | >480 | >480 | >480 | >480 | 1830 | 7664-93-9 |
| Sulphuric acid | 50-80% | >480 | | >120 | >120 | >120 | >480 | 1830 | 7664-93-9 |
| Sulphuric acid | 20% steam | >480 | | >120 | >120 | >120 | >480/121°C | 2796 | 7664-93-9 |
| Sulphuric acid | 10-50% | >480 | | >120 | >120 | >120 | >480 | 2796 | 7664-93-9 |
| Sulphuric acid | 5-10% | >480 | | >120 | >120 | >120 | >480 | 2796 | 7664-93-9 |
| Sulphuric acid anhydride | | | | >480 | >480 | >480 | | 1829 | 09/11/7446 |
| Sulphurous acid | 75% | 240 | | >240 | >240 | >240 | >480 | 1833 | 7782-99-2 |
| Tabun (GA) | | | | >480 | >420 | >480 | >480 | | |
| Tannic acid | | 480 | | >480 | >480 | >480 | >480 | | 1401-55-4 |
| Tannin | 10% | | | >480 | >480 | >480 | >480 | | 1401-55-4 |
| Tartaric acid | | 480 | | >480 | >480 | >480 | >480 | | 87-69-4 |
| Tartaric acid | | 480 | | >480 | >480 | >480 | >480 | | 87-69-4 |
| Terpineol | | | | >480 | >480 | >480 | | | 10482-56-1 |
| Tertiary butyl alcohol | | | | >480 | >480 | >480 | | 1120 | 75-65-0 |
| Tertiary butyl mercaptan | | | | >480 | >480 | >480 | | 2347 | 75-66-1 |
| Tertiary butyl titanate | | | | | | | | 1993 | 5593-70-4 |
| Tertiary butylcatechol | | | | >480 | >480 | >480 | | 2923 | 98-29-3 |
| Tetrabromoethane | | | | >480 | >480 | >480 | | 2504 | 79-27-6 |
| Tetrabromomethane | | | | >480 | >480 | >480 | | 2516 | 558-13-4 |
| Tetrabutyl orthotitanate | | | | >480 | >480 | >480 | | 1993 | 5593-70-4 |
| Tetrachloroethane | 98% | | | >120 | >120 | >120 | <30 | 1702 | 79-34-5 |
| Tetrachloroethylene | | 240 | | >480 | >480 | >480 | >480 | 1897 | 127-18-4 |
| Tetrachloroethylene | | | | >120 | >120 | >120 | | 1897 | 127-18-4 |
| Tetrachloromethane | | | | >480 | >480 | >480 | | 1846 | 56-23-5 |
| Tetraethyl ammonium hydroxide | 20% (aqueous) | >120 | | >120 | >120 | >120 | >120 | | 77-98-5 |
| Tetraethyl lead | | | | >480 | >480 | >480 | | 1649 | 78-00-2 |
| Tetraethyl orthosilicate | | | | >480 | >480 | >480 | | 1292 | 78-10-4 |
| Tetrafluoromethane (carbon tetrafluoride) | | 30 | | >120 | >120 | >120 | >480 | 1846 | 56-23-5 |
| Tetrahydrofuran | | | >30 | >480 | >480 | >480 | >480 | 2056 | 109-99-9 |
| Tetralin | | 0 | | >120 | >120 | >120 | | 3082 | 119-64-2 |
| Thionyl chloride | | <10 | | >120 | >120 | >120 | >480 | 1836 | 07/09/7719 |

| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|---------------------------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------|----------------------|
| Tin chloride | | | | >480 | >480 | >480 | >480 | 1827 | 7646-78-8 |
| Tin(II) chloride, anhydrous | 15% | | | >480 | >480 | >480 | >480 | 1760 | 10025-69-1 |
| Tin(IV) chloride | | | | >480 | >480 | >480 | >480 | 1827 | 7646-78-8 |
| Titanic acid tetrabutyl ester | | | | >480 | >480 | >480 | | 1993 | 5593-70-4 |
| Titanium tetrachloride | | | | >480 | >480 | >480 | | 1838 | 7550-45-0 |
| Titanium(IV) chloride | | | | >480 | >480 | >480 | | 1838 | 7550-45-0 |
| Toluene | | <10 | >10 | >480 | >480 | >480 | >480 | 1294 | 108-88-3 |
| Toluene diisocyanate | | | | >480 | >480 | >480 | | 2078 | 584-84-9 |
| Toluylen diisocyanate-2,4 (T.D.I.) | | | | | 240 | | 280 | 2078 | 584-84-9 |
| Transformer oil | | 480 | | >480 | >480 | >480 | >480 | 2315 | 1336-36-3 |
| Triacetin | | | | | | | | | 102-76-1 |
| Triacrylphosphate | | 240 | | >480 | >480 | >480 | | | |
| Tributoxy ethyl phosphate | | | | >480 | >480 | >480 | | | 78-51-3 |
| Tributyl mercaptan | | | | >480 | >480 | >480 | | | |
| Tributyl phosphate | | | | >120 | >120 | >120 | 78 | | 126-73-8 |
| Trichloroacetic acid | | | | >120 | >120 | >120 | | 1839 | 76-03-9 |
| Trichloroacetic acid | 65 °C | | | | | | | 1839 | 76-03-9 |
| Trichlorobenzene | | | | | | | | | |
| Trichloroethane | | | | >120 | >120 | >120 | | 2831 | 71-55-6 |
| Trichloroethylene | | | | >120 | >120 | >120 | 320 | 1710 | 79-01-6 |
| Trichloromethane | | | | >480 | >480 | >480 | | 1888 | 67-66-3 |
| Tricresyl phosphate | | 15 | | >120 | >120 | >120 | 300 | 2574 | 1330-78-5 |
| Triethanolamine | | | | >240 | >240 | >240 | >480 | | 102-76-1 |
| Triethyl aluminium | | | | | >120 | | | 3051 | 97-93-8 |
| Triethyl borane | | | | >480 | >480 | >480 | | | 97-94-9 |
| Triethylamine | 20 °C | | | >480 | >480 | >480 | >480 | 1296 | 121-44-8 |
| Triiodomethane | | | | | | | | | 75-47-8 |
| Trimethylpentane-2,2,4 | | | | >480 | >480 | >480 | | 1262 | 540-84-1 |
| Trinitrotoluene | | | | | >120 | | | 0209 | 118-96-7 |
| Trioctyl phosphate | | | | >120 | >120 | >120 | | | 78-42-2, 1806-54-8 |
| Trioxan | | | | | >120 | | | 2213 | 110-88-3, 30525-89-4 |
| Trisodium phosphate solutions | | | | >480 | >480 | >480 | >480 | | 10101-89-0 |
| Tung oil | | | | >240 | >240 | >240 | >480 | | |
| Tungsten hexafluoride | | >30 | | >60 | >60 | >60 | >60 | | 7783-82-6 |
| Turbine oil | | 240 | | >480 | >480 | >480 | >480 | | |
| Turpentine | | <10 | | >120 | >120 | >120 | >480 | 1299 | 8006-64-2 |
| Turpentine oil (spirit of turpentine) | | <10 | | >120 | >120 | >120 | >480 | 1299 | 8006-64-2 |
| Urine | | 480 | | >480 | >480 | >480 | >480 | | |
| Vaseline oil | | 480 | | >480 | >480 | >480 | >480 | | |
| Vegetable oils | | 480 | | >480 | >480 | >480 | >480 | | |
| Vinyl chloride | | | | >120 | >120 | >120 | >480 | 1086 | 75-01-4 |
| Vinyl cyanide | | | | | | | | 1093 | 107-13-1 |
| Vinyl fluoride, stabilised | | | | >480 | >480 | >480 | | 1860 | 75-02-5 |
| Vinylacetylene | | | | >480 | >480 | >480 | | | 689-97-4 |
| Vinylbenzene | | | | | | | | 2055 | |
| Vinylbenzene | | | | | >120 | | | 2055 | 100-42-5 |
| VX | | | | >480 | >420 | >480 | >480 | | |
| Wagner 21 B fluid | | | | >480 | >480 | >480 | >480 | | 25322-69-4 |
| Waste water | | 480 | | >480 | >480 | >480 | >480 | | |
| Water | | 480 | | >480 | >480 | >480 | >480 | | 7732-18-5 |
| White mineral oil | | 480 | | >480 | >480 | >480 | >480 | | 8042-47-5 |
| White spirit | | | | >480 | >480 | >480 | | | |
| Wine vinegar | | 480 | | >480 | >480 | >480 | >480 | 2790 | 64-19-7 |
| Wines, whisky | | 480 | | >480 | >480 | >480 | >480 | | |
| Wood oil (tung oil) | | 480 | | >240 | >240 | >240 | >480 | 1299 | 8006-64-2 |
| Xylene | Gaseous | 60 | | <120 | >120 | >120 | >480 | 1307 | 1330-20-7 |
| Xylene | | 60 | | >120 | >120 | >120 | >480 | 1307 | 1330-20-7 |
| Zeolite | | | | | | | | | |

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| Hazardous material | Concentr./state | Polyran-L | TSO plus | Sykan 2 | Sykan 4 | Sykan 5 | Silverflash | UN_NR | CAS_NR |
|--------------------|-----------------|-----------|----------|---------|---------|---------|-------------|-------------|----------------------|
| Zinc | | >480 | | >480 | >480 | >480 | >480 | | 7440-66-6 |
| Zinc acetate | Solid | >480 | | >120 | >120 | >120 | >480 | | 557-34-6 |
| Zinc chloride | | | | >480 | >480 | >480 | >480 | 1840 / 2331 | 7646-85-7 |
| Zinc sulphate | | 120 | | >480 | >480 | >480 | >480 | 3077 | 7446-20-0, 7733-02-0 |