

| Fluid/Medium | Temp | NBR/HNBR/CARBOX | Viton | Polyacrylate | Silicone |
|--|----------|-----------------|-------|--------------|----------|
| A | | | | | |
| Acetaldehyde | RT | 4 | 4 | 4 | 2 |
| Acetamide | RT | 1 | 2 | 4 | 2 |
| Acetic acid, 100 % (glacial) | 60 | 3 | 3 | 4 | 2 |
| Acetic acid, 30 % | RT | 2 | 2 | 4 | 1 |
| Acetic acid, 3 % (vinegar) | RT | 2 | 1 | 4 | 1 |
| Acetic anhydride | RT / 80 | 3 | 4 | 4 | 3 |
| Acetone | RT | 4 | 4 | 4 | 3 |
| Acetophenone | RT | 4 | 4 | 4 | 4 |
| Acetylene | 60 | 1 | 1 | 5 | 2 |
| Acrylonitrile | RT / 60 | 4 | 3 | 4 | 4 |
| Adipic acid (aq) | RT | 1 | 1 | 5 | 5 |
| Alum (aq) | 100 | 1 | 1 | 4 | 1 |
| Aluminium acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Aluminium chloride (aq) | RT | 1 | 1 | 1 | 2 |
| Aluminium fluoride (aq) | RT | 1 | 1 | 5 | 2 |
| Aluminium nitrate (aq) | RT | 1 | 1 | 5 | 2 |
| Aluminium phosphate (aq) | RT | 1 | 1 | 5 | 1 |
| Aluminium sulphate (aq) | RT / 60 | 1 | 1 | 4 | 1 |
| Ammonia (anhydrous) | RT | 2 | 4 | 4 | 3 |
| Ammonia gas | RT | 1 | 4 | 4 | 2 |
| Ammonia gas | 80 / 100 | 4 | 4 | 4 | 1 |
| Ammonium carbonate (aq) | RT / 60 | 2 | 5 | 4 | 5 |
| Ammonium chloride (aq) | RT / 60 | 1 | 1 | 5 | 5 |
| Ammonium chloride (dry) (sal ammoniac) | RT | 1 | 1 | 1 | 2 |
| Ammonium nitrate (aq) | RT | 1 | 5 | 2 | 5 |
| Ammonium persulphate (aq) | RT | 4 | 5 | 4 | 5 |
| Ammonium phosphate (aq) | RT / 60 | 1 | 5 | 5 | 1 |
| Ammonium sulphate (aq) | 100 | 1 | 4 | 4 | 5 |
| Amyl acetate | RT | 4 | 4 | 4 | 4 |
| Amyl alcohol | 60 | 2 | 2 | 4 | 4 |
| Aniline | 60 / 100 | 4 | 3 | 4 | 4 |
| Aniline dyes | RT | 4 | 2 | 4 | 3 |
| Aniline hydrochloride | RT | 2 | 2 | 4 | 4 |
| Aniline hydrochloride | 100 | 4 | 5 | 5 | 5 |
| Animal fats | 80 | 1 | 1 | 1 | 2 |
| Aqua Regia | RT | 4 | 5 | 4 | 4 |
| Arsenic acid | RT / 60 | 1 | 1 | 3 | 1 |
| Arsenic trichloride (aq) | RT | 1 | 5 | 5 | 5 |
| Asphalt (liquid) | 100 | 2 | 2 | 4 | 4 |

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| B | | | | | |
| Barium chloride (aq) | RT / 60 | 1 | 1 | 1 | 1 |
| Barium hydroxide (aq) | RT / 60 | 1 | 1 | 4 | 1 |
| Barium sulphate | RT / 60 | 1 | 1 | 4 | 1 |
| Barium sulphide (aq) | RT / 60 | 1 | 1 | 4 | 1 |
| Beer | RT | 1 | 1 | 4 | 1 |
| Benzaldehyde | RT / 60 | 4 | 4 | 4 | 4 |
| Benzene | RT | 4 | 1 | 4 | 4 |
| Benzene sulphonic acid | RT | 4 | 1 | 4 | 4 |
| Benzoic acid | RT / 60 | 4 | 1 | 4 | 4 |
| Benzoyl chloride | RT | 4 | 1 | 4 | 5 |
| Benzyl alcohol | RT / 60 | 4 | 1 | 4 | 2 |
| Benzyl benzoate | 50 / 60 | 4 | 1 | 4 | 5 |
| Benzyl chloride | RT | 4 | 1 | 4 | 4 |
| Blast furnace gas | 100 | 4 | 1 | 4 | 1 |
| Borax (aq) | RT / 60 | 2 | 1 | 5 | 2 |
| Bordeaux mixture | RT | 2 | 1 | 4 | 2 |
| Boric acid | 60 / 100 | 1 | 1 | 4 | 1 |
| Brake fluid, ATE | 80 | 4 | 4 | 4 | 1 |
| Brake fluid, glycol ether | 80 | 4 | 5 | 4 | 1 |
| Brine (sodium chloride, aq) | RT / 50 | 1 | 1 | 4 | 1 |
| Bromine, anhydrous (liquid/gaseous) | RT | 4 | 1 | 4 | 4 |
| Bromine trifluoride | RT | 4 | 4 | 4 | 4 |
| Bromine water | RT | 4 | 1 | 4 | 4 |
| Bromobenzene | RT | 4 | 1 | 4 | 4 |
| Bunker oil | 60 | 1 | 1 | 1 | 2 |
| Butadiene (gaseous or liquified) | RT | 4 | 1 | 4 | 4 |
| Butane (gaseous or liquified) | RT | 1 | 1 | 1 | 4 |
| Butter (animal fat) | RT / 80 | 1 | 1 | 1 | 2 |
| Butyl acetate | RT | 4 | 4 | 4 | 4 |
| Butyl acrylate | RT | 4 | 4 | 4 | 5 |
| Butyl alcohol | RT | 2 | 1 | 4 | 2 |
| Butyl amines | RT | 3 | 4 | 4 | 4 |
| Butylene | RT | 2 | 1 | 4 | 4 |
| Butyl stearate | 50 | 2 | 1 | 5 | 5 |
| Butyraldehyde | RT | 4 | 4 | 4 | 4 |
| C | | | | | |
| Calcium acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Calcium bisulphite (aq) | RT | 1 | 1 | 4 | 1 |
| Calcium chloride (aq) | 60 | 1 | 1 | 1 | 1 |
| Calcium hydroxide (aq) | RT | 1 | 1 | 4 | 1 |

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| Calcium hypochlorite (aq) | RT / 60 | 2 | 1 | 4 | 2 |
| Calcium nitrate (aq) | RT / 40 | 1 | 1 | 1 | 2 |
| Cane sugar liquors | RT / 60 | 1 | 1 | 4 | 1 |
| Carbon dioxide | RT | 1 | 1 | 5 | 2 |
| Carbon disulphide | RT | 3 | 1 | 3 | 4 |
| Carbonic acid | RT | 2 | 1 | 1 | 1 |
| Carbon monoxide | 60 | 1 | 1 | 5 | 1 |
| Carbon tetrachloride | RT / 60 | 3 | 1 | 4 | 4 |
| Castor oil | RT | 1 | 1 | 1 | 1 |
| Cellosolve (ethyl glycol) | RT | 4 | 3 | 4 | 4 |
| Cellosolve acetate (ethyl glycol acetate) | RT | 4 | 4 | 4 | 4 |
| Chlorine (dry) | RT | 4 | 1 | 4 | 4 |
| Chlorine (wet) | RT | 4 | 1 | 4 | 4 |
| Chlorine dioxide | RT | 4 | 1 | 4 | 5 |
| Chlorine trifluoride | RT | 4 | 4 | 4 | 4 |
| Chloroacetic acid | 60 | 4 | 4 | 4 | 5 |
| Chloroacetone | RT | 4 | 4 | 4 | 4 |
| Chlorobenzene | RT | 4 | 1 | 4 | 4 |
| Chlorobromomethane | RT | 4 | 1 | 4 | 4 |
| Chlorobutadiene | RT | 4 | 1 | 4 | 4 |
| Chloroform | RT | 4 | 1 | 4 | 4 |
| Chlorosulphonic acid | RT | 4 | 4 | 4 | 4 |
| Chlorotoluene | RT | 4 | 1 | 4 | 4 |
| Chromic acid | 60 | 4 | 1 | 4 | 3 |
| Citric acid | 60 / 70 | 1 | 1 | 5 | 1 |
| Cobalt chloride (aq) | RT | 1 | 1 | 4 | 2 |
| Coconut oil | 50 / 80 | 1 | 1 | 1 | 1 |
| Cod liver oil | RT | 1 | 1 | 1 | 2 |
| Coke oven gas | 80 | 4 | 1 | 4 | 2 |
| Copper acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Copper chloride (aq) | RT | 1 | 1 | 1 | 1 |
| Copper sulphate (aq) | 60 | 1 | 1 | 4 | 1 |
| Corn oil | RT / 60 | 1 | 1 | 1 | 1 |
| Cottonseed oil | RT / 70 | 1 | 1 | 1 | 1 |
| Cresol | 50 / 70 | 4 | 1 | 4 | 4 |
| Cumene (isopropylbenzene) | RT | 4 | 1 | 4 | 4 |
| Cyclohexane | RT | 1 | 1 | 1 | 4 |
| Cyclohexanol | RT | 3 | 1 | 5 | 4 |
| Cyclohexanone | RT | 4 | 4 | 4 | 4 |
| p-Cymene | RT | 4 | 1 | 4 | 4 |

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|--|---------|-----------------|-------|--------------|----------|
| D | | | | | |
| Decahydronaphthalene (decalin) | RT / 60 | 4 | 1 | 5 | 4 |
| Detergent | RT | 1 | 1 | 4 | 1 |
| Developing fluids (photography) | RT | 1 | 1 | 5 | 1 |
| Diacetone alcohol | RT | 4 | 4 | 4 | 2 |
| Dibenzyl ether | RT | 4 | 4 | 5 | 5 |
| Dibutyl amine | RT | 4 | 4 | 4 | 3 |
| Dibutyl ether | RT | 4 | 3 | 3 | 4 |
| Dibutyl phthalate | RT / 60 | 4 | 3 | 4 | 2 |
| Dibutyl sebacate | RT / 60 | 4 | 2 | 4 | 2 |
| o-Dichlorobenzene | RT | 4 | 1 | 4 | 4 |
| Dicyclohexylamine | RT | 3 | 4 | 4 | 5 |
| Diethyl amine | RT | 2 | 4 | 4 | 2 |
| Diethyl benzene | RT | 4 | 1 | 5 | 4 |
| Diethyl ether | RT | 4 | 4 | 3 | 4 |
| Diethyl sebacate | RT | 2 | 2 | 4 | 2 |
| Diisopropyl benzene | RT | 4 | 1 | 5 | 5 |
| Dimethyl aniline (Xylidine) | RT | 3 | 4 | 4 | 4 |
| Dimethyl ether | RT | 1 | 2 | 4 | 1 |
| Dimethyl formamide | RT / 60 | 2 | 4 | 4 | 2 |
| Dimethyl phthalate | RT | 4 | 2 | 4 | 5 |
| Diocetyl phthalate | RT / 60 | 3 | 2 | 4 | 3 |
| Diocetyl sebacate | RT / 60 | 4 | 2 | 4 | 3 |
| Dioxane | RT / 60 | 4 | 4 | 4 | 4 |
| Dioxolane | RT | 4 | 4 | 4 | 4 |
| Dipentene | RT | 2 | 1 | 4 | 4 |
| Diphenyl oxide | RT | 4 | 1 | 4 | 3 |
| Dowtherm oils | 100 | 4 | 1 | 4 | 3 |
| Dry cleaning fluids | 40 | 3 | 1 | 4 | 4 |
| E | | | | | |
| Epichlorohydrin | RT | 4 | 4 | 4 | 4 |
| Ethane | RT | 1 | 1 | 1 | 4 |
| Ethanol (denatured alcohol) | RT | 1 | 1 | 4 | 1 |
| Ethanolamine (monoethanolamine) | RT | 2 | 4 | 4 | 2 |
| Ethanolamine (di- and triethanolamine) | 50 | 5 | 4 | 4 | 2 |
| Ethyl acetate | RT | 4 | 4 | 4 | 2 |
| Ethyl acrylate | RT | 4 | 4 | 4 | 2 |
| Ethyl benzene | RT | 4 | 1 | 4 | 4 |
| Ethyl benzoate | RT | 4 | 1 | 4 | 4 |
| Ethyl chloride | RT | 1 | 1 | 4 | 4 |
| Ethylene | RT | 1 | 1 | 5 | 5 |

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|---|---------|-----------------|-------|--------------|----------|
| Ethylene chloride | RT | 4 | 2 | 4 | 4 |
| Ethylene chlorohydrin | RT | 4 | 1 | 4 | 3 |
| Ethylene diamine | RT | 1 | 4 | 4 | 1 |
| Ethylene glycol | RT | 1 | 1 | 2 | 1 |
| Ethylene glycol | 100 | 1 | 1 | 3 | 1 |
| Ethylene oxide | RT | 4 | 4 | 4 | 4 |
| Ethylene trichloride | RT | 4 | 1 | 4 | 4 |
| Ethyl ether | RT | 3 | 4 | 4 | 4 |
| Ethyl formate | RT | 4 | 1 | 5 | 5 |
| Ethyl glycol (Cellosolve) | RT | 4 | 3 | 4 | 4 |
| Ethyl glycol acetate (Cellosolve acetate) | RT | 4 | 4 | 4 | 4 |
| Ethyl silicate | RT | 1 | 1 | 5 | 5 |
| F | | | | | |
| Fatty acids | 100 | 2 | 1 | 5 | 3 |
| Ferric chloride (aq) | RT | 1 | 1 | 1 | 2 |
| Ferric nitrate (aq) | RT | 1 | 1 | 1 | 3 |
| Ferric sulphate (aq) | RT | 1 | 1 | 1 | 2 |
| Fish oil | RT | 1 | 1 | 5 | 1 |
| Fluorine (liquified) | RT | 4 | 2 | 4 | 4 |
| Fluorobenzene | RT | 4 | 1 | 4 | 4 |
| Fluorosilic acid | 60 | 1 | 1 | 5 | 4 |
| Formaldehyde | RT | 3 | 1 | 4 | 2 |
| | below | | | | |
| Formaldehyde, 37 % | 100 | 2 | 1 | 4 | 2 |
| Formic acid | RT / 60 | 2 | 3 | 5 | 2 |
| Fuels | | | | | |
| - Aero engine fuels JP: | | | | | |
| - JP3 (MIL-J-5624 G) | RT | 1 | 1 | 2 | 4 |
| - JP4 (MIL-J-5624 G) | RT | 1 | 1 | 2 | 4 |
| - JP5 (MIL-J-5624 G) | RT | 1 | 1 | 2 | 4 |
| - JP6 (MIL-F-25656 B) | RT / 60 | 1 | 1 | 5 | 4 |
| - ASTM reference fuels: | | | | | |
| - ASTM-A (MIL-S-3136 B Typ I) | RT / 60 | 1 | 1 | 2 | 4 |
| - ASTM-B (MIL-S-3136 B Typ III) | RT / 60 | 1 | 1 | 5 | 4 |
| - ASTM-C | RT / 60 | 2 | 1 | 4 | 4 |
| - Diesel fuel | 60 | 1 | 1 | 2 | 2 |
| - Fuel oil | 60 | 1 | 1 | 1 | 4 |
| - Gasohol (10 % ethanol or methanol) | RT | 2 | 3 | 4 | 4 |
| - Kerosene | RT | 1 | 1 | 1 | 4 |
| - Mineral oil | 100 | 1 | 1 | 1 | 2 |
| - Petrol | RT | 1 | 1 | 4 | 4 |
| Fumaric acid | RT | 1 | 1 | 4 | 2 |

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|---|----------|-----------------|-------|--------------|----------|
| Furan | RT | 4 | 5 | 4 | 5 |
| Furfural | RT | 4 | 4 | 4 | 4 |
| Furfuran | RT | 4 | 5 | 4 | 5 |
| G | | | | | |
| Gelatine (aq) | 40 | 1 | 1 | 4 | 1 |
| Glucose | RT | 1 | 1 | 5 | 1 |
| Glue | RT | 1 | 1 | 5 | 1 |
| Glycerin | 100 | 1 | 1 | 3 | 1 |
| Glycols | 100 | 1 | 1 | 4 | 1 |
| H | | | | | |
| n-Hexaldehyde | RT | 4 | 4 | 5 | 2 |
| Hexane | RT / 60 | 1 | 1 | 1 | 4 |
| 1-Hexene | RT | 2 | 1 | 1 | 4 |
| Hexyl alcohol | RT | 1 | 1 | 4 | 2 |
| Hydraulic fluids | | | | | |
| - Hydraulic oils (acc. to DIN 51524) | 80 | 1 | 1 | 1 | 3 |
| - Hydraulic fluids (acc. to DIN 51502): | | | | | |
| - HFA (oil in water emulsion) | 55 | 1 | 1 | 5 | 5 |
| - HFB (water in oil emulsion) | 60 | 1 | 1 | 5 | 5 |
| - HFC (aqueous polymer solutions) | 60 | 1 | 1 | 5 | 1 |
| - HFD (phosphoric esters) | 80 | 4 | 4-Feb | 4 | 4 |
| - Skydrol 500 | 80 | 4 | 4 | 4 | 3 |
| - Skydrol 7000 | 80 | 4 | 2 | 4 | 3 |
| Hydrazine | RT | 2 | 4 | 5 | 3 |
| Hydrobromic acid | RT / 60 | 4 | 1 | 4 | 4 |
| Hydrochloric acid (conc.) | RT | 3 | 1 | 4 | 3 |
| Hydrochloric acid (conc.) | 80 | 4 | 2 | 4 | 4 |
| Hydrocyanic acid (Prussic acid) | RT | 2 | 1 | 4 | 3 |
| Hydrofluoric acid (conc.) | RT | 4 | 1 | 4 | 4 |
| Hydrofluoric acid (conc.) | 100 | 4 | 3 | 4 | 4 |
| Hydrofluoric acid (anhydrous) | 100 | 4 | 4 | 4 | 4 |
| Hydrogen gas | RT | 1 | 1 | 2 | 3 |
| Hydrogen peroxide (90 %) | RT | 4 | 2 | 4 | 2 |
| Hydrogen sulphide (wet) | RT / 100 | 4 | 4 | 4 | 3 |
| Hydroquinone | RT | 4 | 2 | 4 | 5 |
| Hypochlorous acid | RT | 4 | 1 | 4 | 5 |
| I | | | | | |
| Iodine pentafluoride | RT | 4 | 4 | 4 | 4 |
| Isobutyl alcohol | RT | 2 | 1 | 4 | 1 |

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|--------------------|---------|-----------------|-------|--------------|----------|
| Isooctane | RT | 1 | 1 | 1 | 4 |
| Isophorone | RT | 4 | 4 | 4 | 4 |
| Isopropyl acetate | RT / 80 | 4 | 4 | 4 | 4 |
| Isopropyl alcohol | RT / 60 | 2 | 1 | 4 | 1 |
| Isopropyl chloride | RT | 4 | 1 | 4 | 4 |
| Isopropyl ether | RT / 60 | 2 | 4 | 3 | 4 |

L

| | | | | | |
|----------------------------------|---------|---|---|---|---|
| Lactic acid | RT | 1 | 1 | 4 | 1 |
| Lactic acid | 100 | 4 | 1 | 4 | 2 |
| Lard | 80 | 1 | 1 | 1 | 2 |
| Lavender oil | RT | 2 | 1 | 2 | 4 |
| Lead acetate (aq) | RT / 60 | 2 | 2 | 4 | 4 |
| Lead nitrate (aq) | RT | 1 | 5 | 5 | 2 |
| Linoleic acid | RT | 2 | 2 | 5 | 2 |
| Linseed oil | RT / 60 | 1 | 1 | 1 | 1 |
| Lubricants | | | | | |
| - ASTM oil No. 1 | 100 | 1 | 1 | 1 | 3 |
| - ASTM oil No. 2 | 100 | 1 | 1 | 1 | 3 |
| - ASTM oil No. 3 | 100 | 1 | 1 | 1 | 3 |
| - ATF oils, type A | 100 | 1 | 1 | 1 | 4 |
| - ATF oils, type I | 100 | 1 | 1 | 1 | 4 |
| - ATF oils, type II | 100 | 1 | 1 | 1 | 4 |
| - ATF oils, type F | 100 | 1 | 1 | 1 | 4 |
| - ATF oils, type Mercon | 100 | 1 | 1 | 1 | 4 |
| - EP lubes | 100 | 2 | 1 | 1 | 4 |
| - Fluorolube | 100 | 1 | 2 | 5 | 1 |
| - Grease MIL-G-7118 A | 80 | 1 | 1 | 3 | 3 |
| - Grease MIL-G-7711 A | 80 | 1 | 1 | 1 | 3 |
| - Lubricating oils (petroleum) | 100 | 1 | 1 | 1 | 4 |
| - Red oil (MIL-H-5606) | 100 | 1 | 1 | 1 | 4 |
| - RJ-1 (MIL-F-25558 B) | 100 | 1 | 1 | 1 | 4 |
| - RP-1 (MIL-F-25576 C) | 100 | 1 | 1 | 1 | 4 |
| - Motor oil SAE 30 | 100 | 1 | 1 | 1 | 1 |
| - Transmission oil SAE 90 | 100 | 1 | 1 | 1 | 4 |
| - Transmission oil MIL-L-23699 A | 100 | 1 | 1 | 3 | 3 |
| - Silicone greases | 120 | 1 | 1 | 1 | 3 |
| - Silicone oils | 120 | 1 | 1 | 1 | 3 |
| - Transformer oil (Pyranol) | 60 | 4 | 1 | 5 | 4 |
| - Transformer oil | 60 | 1 | 1 | 2 | 2 |
| - Transmission fluid type A | RT | 1 | 1 | 1 | 2 |
| - Turbine oil | 100 | 2 | 1 | 1 | 4 |

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|-----------------------------------|---------|-----------------|-------|--------------|----------|
| M | | | | | |
| Magnesium chloride (aq) | 100 | 1 | 1 | 5 | 1 |
| Magnesium hydroxide (aq) | 100 | 2 | 1 | 4 | 5 |
| Magnesium sulphate (aq) | 100 | 1 | 1 | 4 | 1 |
| Maleic acid | 100 | 4 | 1 | 4 | 5 |
| Maleic anhydride | 60 | 4 | 4 | 4 | 5 |
| Malic acid | RT | 1 | 1 | 4 | 2 |
| Mercury | RT / 60 | 1 | 1 | 5 | 5 |
| Mercury chloride (aq) | RT / 60 | 1 | 1 | 5 | 5 |
| Mesityl oxide | RT | 4 | 4 | 4 | 4 |
| Methane | RT | 1 | 2 | 1 | 4 |
| Methanol (methyl alcohol) | 60 | 1 | 4 | 4 | 1 |
| Methyl acetate | RT | 4 | 4 | 4 | 4 |
| Methyl acrylate | RT | 4 | 4 | 4 | 4 |
| Methyl aniline | RT | 4 | 2 | 4 | 5 |
| Methyl bromide | RT | 2 | 1 | 3 | 5 |
| Methyl cellosolve (methyl glycol) | RT | 3 | 4 | 4 | 4 |
| Methyl chloride | RT | 4 | 2 | 4 | 4 |
| Methyl cyclopentane | RT | 4 | 2 | 4 | 4 |
| Methylene chloride | RT | 4 | 2 | 4 | 4 |
| Methyl ethyl ketone | RT | 4 | 4 | 4 | 4 |
| Methyl formate | RT | 4 | 5 | 5 | 5 |
| Methyl glycol (Cellosolve) | RT | 3 | 4 | 4 | 4 |
| Methyl isobutyl ketone | RT | 4 | 4 | 4 | 4 |
| Methyl methacrylate | RT | 4 | 4 | 4 | 4 |
| Methyl salicylate | RT | 4 | 5 | 5 | 5 |
| Milk | RT | 1 | 1 | 4 | 1 |
| Mustard gas | RT | 5 | 5 | 5 | 1 |
| N | | | | | |
| Naphtha | RT | 2 | 1 | 2 | 4 |
| Naphthalene | 60 | 4 | 1 | 5 | 4 |
| Naphthalenic acid | RT | 2 | 1 | 5 | 4 |
| Natural gas | RT | 1 | 1 | 2 | 1 |
| Neat??-foot oil | RT / 60 | 1 | 1 | 1 | 2 |
| Nickel acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Nickel chloride | RT | 1 | 1 | 4 | 1 |
| Nickel sulphate (aq) | RT / 60 | 1 | 1 | 4 | 1 |
| Nitric acid (conc.) | RT | 4 | 3 | 4 | 4 |
| Nitric acid (fuming) | RT | 4 | 4 | 4 | 4 |
| Nitric acid (dilute) | RT | 4 | 1 | 4 | 2 |
| Nitrobenzene | 50 | 4 | 2 | 4 | 4 |
| Nitroethane | RT | 4 | 4 | 4 | 4 |

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| Nitrogen | 20 | 1 | 1 | 1 | 1 |
| Nitrogen tetroxide | RT | 4 | 4 | 4 | 4 |
| Nitromethane | RT | 4 | 4 | 4 | 4 |
| O | | | | | |
| Octadecane | RT / 50 | 1 | 1 | 2 | 4 |
| n-Octane | RT | 2 | 1 | 4 | 4 |
| Octyl alcohol | RT | 2 | 1 | 4 | 2 |
| Oleic acid | 70 | 1 | 2 | 2 | 4 |
| Olive oil | 60 | 1 | 1 | 1 | 3 |
| Oxalic acid | 70 | 2 | 1 | 5 | 4 |
| Oxygen | RT | 2 | 1 | 2 | 1 |
| | above | | | | |
| Oxygen | 100 | 4 | 2 | 4 | 2 |
| Ozone | RT | 4 | 1 | 2 | 1 |
| P | | | | | |
| Palmitic acid | 60 | 1 | 1 | 4 | 4 |
| Peanut oil | RT / 50 | 1 | 1 | 1 | 1 |
| Perchloric acid | RT | 4 | 1 | 4 | 4 |
| Perchloroethylene | RT / 60 | 2 | 1 | 4 | 4 |
| | below | | | | |
| Petroleum | 120 | 1 | 1 | 2 | 2 |
| | above | | | | |
| Petroleum | 120 | 4 | 2 | 4 | 4 |
| Petroleum ether | RT / 60 | 1 | 1 | 1 | 4 |
| Petroleum gas (liquified) | RT | 1 | 1 | 3 | 3 |
| Phenol | 60 / 100 | 4 | 1 | 4 | 4 |
| Phenyl ethyl ether | RT | 4 | 4 | 4 | 4 |
| Phenyl hydrazine | RT / 60 | 4 | 1 | 4 | 5 |
| Phoron (diisopropylidene acetone) | 60 | 4 | 4 | 4 | 4 |
| Phosphoric acid, 20 % | 50 / 60 | 2 | 1 | 5 | 2 |
| Phosphoric acid, 45 % | 50 / 60 | 4 | 1 | 5 | 3 |
| Phosphorus trichloride | RT | 4 | 1 | 5 | 5 |
| Pickling solution | RT | 4 | 2 | 4 | 4 |
| Picric acid | RT | 4 | 1 | 5 | 4 |
| Pinene | RT | 2 | 1 | 4 | 4 |
| Pine oil | RT | 4 | 1 | 5 | 4 |
| Piperidine | RT | 4 | 4 | 4 | 4 |
| Potassium acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Potassium chloride (aq) | RT / 60 | 1 | 1 | 1 | 1 |
| Potassium cyanide (aq) | RT / 50 | 1 | 1 | 1 | 1 |
| Potassium dichromate (aq) | RT | 1 | 1 | 1 | 1 |

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| Potassium hydroxide (aq) | 60 | 2 | 4 | 4 | 4 |
| Potassium nitrate (aq) | RT / 60 | 1 | 1 | 1 | 1 |
| Potassium sulfate (aq) | RT / 60 | 1 | 1 | 4 | 1 |
| Propane | RT | 1 | 1 | 1 | 4 |
| Propyl acetate | RT | 4 | 4 | 4 | 4 |
| Propyl alcohol | RT / 60 | 1 | 1 | 4 | 1 |
| Propylene | RT | 4 | 1 | 4 | 4 |
| Propylene oxide | RT | 4 | 4 | 4 | 4 |
| Prussic acid (hydrocyanic acid) | RT | 2 | 1 | 4 | 3 |
| Pyridine | RT | 4 | 4 | 4 | 4 |
| Pyroligneous acid | RT | 4 | 4 | 4 | 5 |
| Pyrrole | RT | 4 | 4 | 4 | 2 |

R

| | | | | | |
|---------------------------------|----|---|---|---|---|
| Rapeseed oil | RT | 2 | 1 | 2 | 4 |
| Refrigerants (acc. to DIN 8962) | | | | | |
| - R 11 | RT | 2 | 1 | 5 | 4 |
| - R 12 | RT | 1 | 2 | 1 | 4 |
| - R 13 | RT | 1 | 1 | 5 | 4 |
| - R 13 B1 | RT | 1 | 1 | 5 | 4 |
| - R 14 | RT | 1 | 1 | 5 | 4 |
| - R 21 | RT | 4 | 4 | 5 | 4 |
| - R 22 | RT | 4 | 4 | 2 | 4 |
| - R 31 | RT | 4 | 4 | 5 | 5 |
| - R 32 | RT | 1 | 4 | 5 | 5 |
| - R 112 | RT | 3 | 1 | 5 | 4 |
| - R 113 | RT | 1 | 2 | 5 | 4 |
| - R 114 | RT | 1 | 2 | 5 | 4 |
| - R 114 B2 | RT | 2 | 2 | 5 | 4 |
| - R 115 | RT | 1 | 2 | 5 | 5 |
| - R C 318 | RT | 1 | 2 | 5 | 5 |

S

| | | | | | |
|-------------------------|----------|---|---|---|---|
| Salicylic acid | RT | 2 | 1 | 5 | 5 |
| Sea water | RT | 1 | 1 | 4 | 1 |
| Silver nitrate (aq) | RT | 2 | 1 | 1 | 1 |
| Soap solution | RT | 1 | 1 | 4 | 1 |
| Sodium acetate (aq) | RT | 2 | 4 | 4 | 4 |
| Sodium bicarbonate (aq) | 60 | 1 | 1 | 5 | 1 |
| Sodium bisulphite (aq) | 100 | 1 | 1 | 4 | 1 |
| Sodium carbonate (soda) | RT / 60 | 1 | 1 | 5 | 1 |
| Sodium chloride (aq) | RT / 100 | 1 | 1 | 5 | 1 |
| Sodium cyanide (aq) | RT | 1 | 1 | 5 | 1 |

| Fluid/Medium | Temp | NBR/HNBR/CARBOX | Viton | Polyacrylate | Silicone |
|---------------------------------------|---------|-----------------|-------|--------------|----------|
| Sodium hydroxide (aq) | RT | 2 | 2 | 3 | 2 |
| Sodium hypochlorite (aq) | RT / 50 | 2 | 1 | 4 | 5 |
| Sodium metaphosphate | RT / 60 | 1 | 1 | 5 | 2 |
| Sodium nitrate (aq) | RT / 60 | 2 | 5 | 5 | 4 |
| Sodium phosphate (aq) | RT / 60 | 1 | 1 | 4 | 4 |
| Sodium silicate (aq) | RT / 60 | 1 | 1 | 5 | 5 |
| Sodium sulphate (aq) (Glauber's salt) | RT / 60 | 1 | 1 | 4 | 1 |
| Sodium thiosulphate (aq) | RT / 50 | 2 | 1 | 4 | 1 |
| Soyabean oil | RT | 1 | 1 | 1 | 1 |
| Stannic chloride (aq) | RT / 80 | 1 | 1 | 5 | 2 |
| Stannous chloride (aq) | RT / 80 | 1 | 1 | 5 | 2 |
| | below | | | | |
| Steam | 150 | 4 | 4 | 4 | 3 |
| | above | | | | |
| Steam | 150 | 4 | 4 | 4 | 4 |
| Stearic acid | 60 | 2 | 2 | 4 | 2 |
| Stoddard solvent | RT | 1 | 1 | 1 | 4 |
| Styrene | RT | 4 | 2 | 4 | 4 |
| Sucrose solution | RT / 60 | 1 | 1 | 4 | 1 |
| Sulphur | RT / 60 | 4 | 1 | 4 | 3 |
| Sulphur chloride (aq) | RT | 3 | 1 | 4 | 3 |
| Sulphur dioxide (dry) | RT / 60 | 4 | 1 | 4 | 2 |
| Sulphur dioxide (liquified) | RT / 60 | 4 | 1 | 4 | 2 |
| Sulphur dioxide (wet) | RT / 60 | 4 | 1 | 4 | 2 |
| Sulphur hexafluoride | RT | 2 | 1 | 4 | 2 |
| Sulphuric acid (conc.) | RT / 50 | 4 | 1 | 4 | 4 |
| Sulphuric acid (20 %) (battery acid) | 60 | 4 | 1 | 4 | 4 |
| Sulphuric acid (dilute) | RT | 3 | 1 | 2 | 4 |
| Sulphurous acid | RT / 60 | 4 | 1 | 4 | 4 |
| Sulphur trioxide | RT | 4 | 1 | 4 | 2 |
| T | | | | | |
| Tannic acid | RT / 60 | 1 | 1 | 4 | 2 |
| Tar, bituminous | RT | 2 | 1 | 4 | 2 |
| Tartaric acid | 60 | 1 | 1 | 5 | 1 |
| Terpineol | RT | 2 | 1 | 5 | 5 |
| Tetrabromoethane | RT | 4 | 1 | 4 | 4 |
| Tetrabromomethane | RT | 4 | 1 | 5 | 4 |
| Tetrabutyl titanate | RT | 2 | 1 | 5 | 5 |
| Tetrachloroethylene | 60 | 4 | 2 | 4 | 4 |
| Tetraethyl lead | RT | 2 | 1 | 5 | 5 |
| Tetrahydrofuran | RT | 4 | 4 | 4 | 4 |
| Tetrahydronaphthalene (Tetralin) | RT | 4 | 1 | 5 | 4 |
| Thionyl chloride | RT | 4 | 2 | 4 | 5 |

| Fluid/Medium | Temp | NBR/HNBR/CARBOX | Viton | Polyacrylate | Silicone |
|------------------------------|-------------|------------------------|--------------|---------------------|-----------------|
| Titanium tetrachloride | RT | 2 | 1 | 4 | 4 |
| Toluene | RT | 4 | 1 | 4 | 4 |
| Toluene diisocyanate | RT | 4 | 4 | 4 | 4 |
| Triacetin | RT | 2 | 1 | 4 | 5 |
| Tributoxy ethyl phosphate | RT | 4 | 1 | 4 | 5 |
| Tributyl phosphate | RT / 60 | 4 | 4 | 4 | 4 |
| Trichloroacetic acid | 60 | 5 | 4 | 4 | 4 |
| Trichloroethane | RT | 4 | 1 | 4 | 4 |
| Trichloroethylene | RT | 4 | 1 | 4 | 4 |
| Tricresyl phosphate | RT / 60 | 4 | 1 | 4 | 3 |
| Triethanol amine | RT | 2 | 4 | 4 | 5 |
| Triethyl aluminium | RT | 4 | 2 | 4 | 5 |
| Triethyl borane | RT | 4 | 1 | 4 | 5 |
| Trinitrotoluene | RT | 4 | 2 | 4 | 5 |
| Trioctyl phosphate | RT / 60 | 4 | 2 | 4 | 3 |
| Tung oil (China wood oil) | RT | 1 | 1 | 1 | 4 |
| Turpentine | RT | 1 | 1 | 2 | 4 |
| V | | | | | |
| Varnish | RT | 2 | 1 | 4 | 4 |
| Vegetable oil | 60 | 1 | 1 | 1 | 2 |
| Vinyl acetylene | RT | 1 | 1 | 5 | 2 |
| Vinyl chloride | RT | 4 | 1 | 5 | 5 |
| W | | | | | |
| Water | 100 | 1 | 1 | 4 | 1 |
| Whisky | RT | 1 | 1 | 4 | 1 |
| White oil | RT / 80 | 1 | 1 | 1 | 4 |
| Wine | RT | 1 | 1 | 4 | 1 |
| Wood oil | RT | 1 | 1 | 1 | 4 |
| X | | | | | |
| Xylene | RT | 4 | 1 | 4 | 4 |
| Xylidine (di-methyl aniline) | RT | 3 | 4 | 4 | 4 |
| Z | | | | | |
| Zeolites | RT | 1 | 1 | 5 | 5 |
| Zinc acetate (aq) | RT | 1 | 1 | 4 | 4 |
| Zinc chloride (aq) | RT | 1 | 1 | 4 | 1 |
| Zinc sulphate (aq) | RT | 1 | 1 | 4 | 1 |