

CHEMICAL AND CONCENTRATION	20°C	60°C	CHEMICAL AND CONCENTRATION	20°C	60°C	CHEMICAL AND CONCENTRATION	20°C	60°C
Acetic acid 10%	✓	LL	Diethyl ether	X	X	Oxalic acid	✓	TR
Acetic acid 60%	✓	LL	Dimethylamine	TR	TR	Oxygen	✓	✓
Acetic Glacial	X	X	Emulsifiers All Conc.	✓	✓	Ozone	✓	TR
Acetic anhydride	X	X	Emulsions, photographic	✓	✓	Palmitic acid	✓	TR
Aceton Traces	X	X	Ether	X	X	Paraffin	LL	TR
Aceton 100%	X	X	Ethyl acetate	X	X	Petrol	OH	OH
Adipic acid	TR	TR	Ethylene dichloride	X	X	Petrol benzene mixture 80:20	X	X
Alcohol allyl	X	X	Ethylene glycol	✓	✓	Phenol	TR	X
Alcohol ethyl 40% W/W Water	✓	✓	Fatty acids	TR	TR	Phosphoric acid 20% AO. Soln	✓	✓
Alcohol ethyl 100%	✓	✓	Ferric salts	✓	✓	Phosphoric acid 30% AO. Soln	✓	✓
Alcohol ethyl 100%	✓	✓	Fixing solution, photogr.	✓	✓	Photographic developers	✓	✓
Alcohol isopropyl	✓	✓	Fluorine	X	X	Photographic emulsions	✓	✓
Alcohol methyl 6% AO. Soln	✓	✓	Formaldehyde 40% W/W in Water	✓	✓	Phot. fixin soln	✓	✓
Alcohol methyl 100%	LL	TR	Hydrochloric acid 10% AO. Soln	✓	✓	Picric acid 1% W/W in Water	✓	✓
Amyl chloride	X	X	Hydrochloric acid 22%	✓	✓	Picric acid 10% W/W in Alcohol	✓	TR
Aluminum salts	✓	✓	Hydrochloric acid Conc.	✓	✓	Potassium hydroxide 1% AO. Soln	✓	✓
Ammonia S.G.=0.88 AO.SOLN	✓	✓	Hydrochloric acid 4% AO. Soln	✓	✓	Potassium hydroxide 10% AO. Soln	✓	✓
Ammonia Dry Gas	TR	TR	Hydrochloric acid 100%	X	X	Potassium hydroxide 10% AO. Soln	✓	✓
Ammonia Liquid	TR	TR	Glucose	✓	✓	Potassium hydroxide Conc. AO. Soln	✓	X
Ammonium hydroxide	TR	TR	Glycerine	✓	✓	Potassium hydroxide 15% ACT. CL.	✓	LL
Ammonium salts	✓	✓	Grape sugar	✓	✓	Potassium salts	✓	✓
Ammonium sulphide	✓	✓	Hydrochloric acid 10% AO. Soln	✓	✓	Propane	OH	OH
Aniline	X	X	Hydrochloric acid 22%	✓	✓	Propylene dichloride	X	X
Animal oils	✓	✓	Hydrochloric acid Conc.	✓	✓	Salicylic acid	TR	TR
Barium salts	✓	✓	Hydrofluoric acid 4% AO. Soln	✓	✓	Sea Water	✓	✓
Benzene	✓	✓	Hydrofluoric acid 40% AO. Soln	✓	✓	Soap solution	✓	TR
Benzaldehyde Traces	X	X	Hydrofluoric acid 60% AO. Soln	X	X	Sodium hydroxide 1% AO. Soln	✓	TR
Benzaldehyde 100%	X	X	Hydrogen	✓	✓	Sodium hydroxide 10% AO. Soln	✓	LL
Benzene	X	X	Hydrogen bromide anhydrous	✓	✓	Sodium hydroxide 40% AO. Soln	✓	X
Borax	✓	✓	Hydrogen chloride anhydrous	✓	✓	Sodium hypochlorite 15% ACT. CL.	✓	LL
Brine	✓	✓	Hydrogen fluoride	✓	✓	Sodium salts	✓	✓
Bromine Gas, Traces	X	X	Hydrogen peroxide 3% (10 vol)	✓	✓	Sulphur dioxide Dry	✓	✓
Bromine 100% Dry Gas	X	X	Hydrogen peroxide 12% (40 vol)	✓	✓	Sulphur dioxide Moist	TR	X
Bromine Liquid	X	X	Hydrogen peroxide 30% (100 vol)	✓	✓	Sulphur dioxide Liquid	TR	X
Butane	TR	TR	Hydrogen peroxide 90% and above	✓	✓	Sulphuric acid 10%	✓	✓
Butanol	✓	✓	Hydrogen sulphite	✓	✓	Sulphuric acid 45%	✓	✓
Butyl acetate	X	X	Iodine Soln. In Potassium	TR	TR	Sulphuric acid 50%	✓	✓
Butyric acid 20% AO. Soln	✓	✓	Iodine Iodide	X	X	Sulphuric acid 60%	LL	LL
Butyric acid Conc.	X	X	Lacquer solvents	LL	X	Sulphuric acid 80%	X	X
Calcium hydroxide	✓	✓	Lactic acid 10%	✓	✓	Sulphuric acid Fuming	X	X
Calcium hypochlorite	✓	✓	Lactic acid 100%	X	X	Sulphurous acid 30%	✓	TR
Calcium salts	✓	✓	Lauric acid	✓	✓	Tallow	✓	TR
Carbon dioxide	✓	✓	Lauryl alcohol	✓	✓	Tannic acid	✓	TR
Carbon disulphide	X	X	Lead salts	✓	✓	Tanning extracts	✓	TR
Carbon monoxide	✓	✓	Magnesium salts	✓	✓	Tartaric acid	✓	TR
Carbon tetrachloride	X	X	Manganese sulphate Conc. Soln	✓	✓	Tetraethyl lead	✓	TR
Casein	✓	✓	Mercapto chloride	X	X	Tetrahydrofuran	X	X
Chlorine 10% (Dry Gas)	TR	TR	Methyl chloride	X	X	Toluene	X	X
Chlorine 100% (Dry Gas)	TR	TR	Methyl ethyl ketone	X	X	Transformer oil	OH	X
Chlorine 10% (Moist Gas)	TR	TR	Methylene chloride	X	X	Trichlorethane	X	X
Chlorine water Saturated Soln	LL	X	Milk	✓	✓	Triethanolamine	✓	✓
Chlorobenzene	X	X	Mineral oils	GH	CH	Trichloroethylene	X	X
Chloroform	X	X	Mixed acids(sulphuric/nitric) var. prop.	X	X	Triethylamine	✓	TR
Citric acid	✓	✓	Molasses	✓	✓	Turpentine	TR	TR
Copper salts	✓	✓	Naphthalene	X	X	Urea	✓	TR
Cyclohexanol	X	X	Nickel salts	✓	✓	Vegetable oils	✓	TR
Cyclohexane	X	X	Nitric acid 10%	✓	✓	Vinegar	✓	TR
Detergents, synthetic All Conc.	✓	✓	Nitric acid 25%	✓	✓	Vinyl acetate	X	X
Developers, photographic	✓	✓	Nitric acid 50%	✓	✓	Water	✓	✓
Dextrose	✓	✓	Nitric acid 70%	LL	X	Wetting agents All Conc.	✓	✓
Dichlorethylene	X	X	Nitric acid 95%	X	X	Wines and Spirits	✓	TR
Dichlorobenzene	X	X	Nitrogen fertilizers	✓	✓	Xylene	X	X
Diesel oil	OH	OH	Nitrous fumes Moist	TR	X	Zinc salts	✓	✓
			Oleic acid	✓	✓			

✓ = Satisfactory X = Unsatisfactory

CAUTION

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Acetic acid 10%	✓	LL	Diethyl ether	X	X	Oxalic acid	✓	TR
Acetic acid 60%	✓	LL	Dimethylamine	TR	TR	Oxygen	✓	✓
Acetic Glacial	X	X	Emulsifiers All Conc.	✓	✓	Ozone	✓	TR
Acetic anhydride	X	X	Emulsions, photographic	✓	✓	Palmitic acid	✓	TR
Aceton Traces	X	X	Ether	X	X	Paraffin	LL	TR
Aceton 100%	X	X	Ethyl acetate	X	X	Petrol	OH	OH
Adipic acid	TR	TR	Ethylene dichloride	X	X	Petrol benzene mixture 80:20	X	X
Alcohol allyl	✓	✓	Ethylene glycol	✓	✓	Phenol	TR	X
Alcohol ethyl 40% W/W Water	✓	✓	Fatty acids	TR	TR	Phosphoric acid 20% AO. Soln	✓	✓
Alcohol ethyl 100%	✓	✓	Ferric salts	✓	✓	Phosphoric acid 30% AO. Soln	✓	✓
Alcohol isopropyl	✓	✓	Fixing solution, photogr.	✓	✓	Photographic developers	✓	✓
Alcohol methyl 6% AO. Soln	✓	✓	Fluorine	X	X	Photographic emulsions	✓	✓
Alcohol methyl 100%	✓	✓	Formaldehyde 40% W/W in Water	✓	✓	Phot. fixin soln	✓	✓
Amyl chloride	X	X	Hydrochloric acid 10% AO. Soln	✓	✓	Picric acid 1% W/W in Water	✓	✓
Aluminum salts	✓	✓	Hydrochloric acid 22%	✓	✓	Picric acid 10% W/W in Alcohol	✓	✓
Ammonia S.G.=0.88 AO.SOLN	✓	✓	Hydrochloric acid Conc.	✓	✓	Potassium hydroxide 1% AO. Soln	✓	✓
Ammonia Dry Gas	TR	TR	Hydrochloric acid 4% AO. Soln	✓	✓	Potassium hydroxide 10% AO. Soln	✓	✓
Ammonia Liquid	TR	TR	Hydrochloric acid 100%	X	X	Potassium hydroxide Conc. AO. Soln	✓	✓
Ammonium hydroxide	TR	TR	Glycine	✓	✓	Potassium salts	✓	✓
Ammonium salts	✓	✓	Grape sugar	✓	✓	Sulphur dioxide Dry	✓	✓
Ammonium sulphide	✓	✓	Hydrochloric acid 10% AO. Soln	✓	✓	Sulphur dioxide Moist	TR	X
Aniline	✓	✓	Hydrochloric acid 22%	✓	✓	Sulphur dioxide Liquid	TR	X
Animal oils	✓	✓	Hydrochloric acid Conc.	✓	✓	Sulphuric acid 10%	✓	✓
Barium salts	✓	✓	Hydrofluoric acid 4% AO. Soln	✓	✓	Sulphuric acid 45%	✓	✓
Benzene	✓	✓	Hydrogen	✓	✓	Sulphuric acid 50%	✓	✓
Benzaldehyde Traces	X	X	Hydrogen bromide anhydrous	✓	✓	Sulphuric acid 60%	LL	LL
Benzaldehyde 100%	X	X	Hydrogen chloride anhydrous	✓	✓	Sulphuric acid 80%	X	X
Benzene	X	X	Hydrogen fluoride	✓	✓	Sulphuric acid Fuming	X	X
Borax	✓	✓	Hydrogen sulphite	✓	✓	Tallow	✓	TR
Brine	✓	✓	Iodine Soln. In Potassium	TR	TR	Tannic acid	✓	TR
Bromine Gas, Traces	X	X	Iodine Iodide	X	X	Tanning extracts	✓	TR
Bromine 100% Dry Gas	X	X	Lacquer solvents	LL	X	Tartaric acid	✓	TR
Bromine Liquid	X	X	Lactic acid 10%	✓	✓	Tetraethyl lead	✓	TR
Butane	TR	TR	Lactic acid 100%	X	X	Tetrahydrofuran	X	X
Butanol	✓	✓	Lauric acid	✓	✓	Toluene	X	X
Butyl acetate	X	X	Lauryl alcohol	✓	✓	Transformer oil	OH	X
Butyric acid 20% AO. Soln	✓	✓	Lead salts	✓	✓	Trichlorethane	X	X
Butyric acid Conc.	X	X	Magnesium salts	✓	✓	Triethanolamine	✓	✓
Calcium hydroxide	✓	✓	Manganese sulphate Conc. Soln	✓	✓	Trichloroethylene	X	X
Calcium hypochlorite	✓	✓	Mercapto chloride	X	X	Triethylamine	✓	TR
Calcium salts	✓	✓	Methyl chloride	X	X	Turpentine	TR	TR
Carbon dioxide	✓	✓	Methyl ethyl ketone	X	X	Urea	✓	TR
Carbon disulphide	X	X	Methylene chloride	X	X	Vegetable oils	✓	TR
Carbon monoxide	✓	✓	Milk	✓	✓	Vinegar	✓	TR
Carbon tetrachloride	X	X	Mineral oils	GH	CH	Vinyl acetate	X	X
Casein	✓	✓	Mixed acids(sulphuric/nitric) var. prop.	X	X	Water	✓	✓
Chlorine 10% (Dry Gas)	TR	TR	Molasses	✓	✓	Wetting agents All Conc.	✓	✓
Chlorine 100% (Dry Gas)	TR	TR	Naphthalene	X	X	Wines and Spirits	✓	TR
Chlorine 10% (Moist Gas)	TR	TR	Nickel salts	✓	✓	Xylene	X	X
Chlorine water Saturated Soln	LL	X	Nitric acid 10%	✓	✓	Zinc salts	✓	✓
Chlorobenzene	X	X	Nitric acid 25%	✓	✓			
Chloroform	X	X	Nitric acid 50%	✓	✓			
Citric acid	✓	✓	Nitric acid 70%	LL	X			
Copper salts	✓	✓	Nitric acid 95%	X	X			
Cyclohexanol	X	X	Nitrogen fertilizers	✓	✓			
Cyclohexane	X	X	Nitrous fumes Moist	TR	X			
Detergents, synthetic All Conc.	✓	✓	TR					
Developers, photographic	✓	✓						
Dextrose	✓	✓						
Dichlorethylene	X	X						
Dichlorobenzene	X	X						
Diesel oil	OH	OH						

Satisfactory. X = Unsatisfactory.

= The material may be considered for use when alternative materials are unsatisfactory and LIMITED LIFE is acceptable.
= Recommended for the service and conditions shown for oil hose.
= When PVC is to be used with such chemicals full-scale TRIALS are REQUIRED under realistic conditions.
‡ is intended for general guidance only. The information provided therein are based on our best knowledge and experience. No warranty can be given. As much depends upon the exact working conditions of each case.

CAUTION
Final selection of the correct hose is further dependent on pressure, temperature, fluid concentration and system conditions relative to climatic and weather conditions. If in doubt please consult us.