

Chemical resistance chart

LEGEND: "1" = Suitable, "2" = Some attack.Limit any exposure, "3" = Not suitable, "-" = No data

[illegible]

Ammonia anhydrous	3	3	3	3	3	3	3	2	3	-	2	2	1/2
Ammonia sol. 10%	2	2	1	1	1	1	-	1	1	-	1	1	1
Ammonia sol. 50%	2	2	1	1	-	1	-	1	1	-	1	1	1
Ammonium chloride	1	1	1	1	1	1	1	1	1	2	1	1	1
Ammonium hidroxide	2	2	2	1	-	1	-	1	2	3	1	1	1
Ammonium nitrate	2	2	1	1	1	1	1	1	1	-	1	1	1
Ammonium phosphate	1	1	1	1	1	1	1	1	1	-	1	1	1
Ammonium sulphate	1	1	1	1	1	1	1	1	1	-	1	1	1
Ammonium sulphite	1	1	1	1	1	-	-	1	1	-	1	1	1
Ammonium thiosulph.	1	1	1	1	1	-	-	1	1	-	1	1	1
Amyl acetate	3	3	3	3	2	2	-	-	-	-	1	1	1
Amyl acetone	3	3	3	3	3	3	-	-	-	-	1	1	1
Amyl alcohol	2	2	2	1	2	-	-	1	-	-	1	1	1
Amyl bromide	3	3	2	2	-	-	-	2	-	-	1	1	1
Amyl chloride	3	3	2	2	-	-	-	2	-	-	1	1	1
Amyl oleate	-	-	-	-	-	-	1	-	-	-	1	1	1
Amyl phenol	-	-	-	-	-	-	-	-	-	1	1	1	1
Amyl phthalate	-	-	2	1	2	-	-	-	-	2	1	1	1
Amylamine	2	2	2	1	1	-	-	2	-	-	1	1	1
Amylamine	2	2	-	1	2	-	-	-	3	-	1	1	1
Anethole	3	3	3	3	3	-	3	2	-	2	2	3	1
Aniline	3	3	2	1	2	-	-	2	-	2	1	1	1
Animal fats	3	3	3	3	1/2	2	1	1	2	1	1	1	1
Antimony pentachlorid	-	-	-	-	-	-	-	-	-	-	1	1	1
Aromatic tar	-	-	-	-	-	-	2	-	-	1	1	2	1
Arsenic acid	2	2	1	1	1	2	2	1	1	1	1	1	1
Ascorbic acid	-	-	-	1	-	-	-	1	-	-	1	1	1
Asphalt 130°C	-	-	-	-	-	-	3	-	-	2	3	3	1/2
Asphalt 80°C	-	-	-	-	-	-	1	-	-	1	3	2	1
ASTM FUEL A	3	3	3	3	3	3	1	1	2	1	1	1	1
ASTM FUEL B	3	3	3	3	3	3	1	2	2	1	1	1	1
ASTM FUEL C	3	3	3	3	3	3	1	3	3	1	2	2	1
ASTM OIL n°1	3	3	3	3	3	1	1	1	2	1	1	1	1
ASTM OIL n°2	3	3	3	3	3	2	1	1	2	1	1	1	1
ASTM OIL n°3	3	3	3	3	3	3	1	2	2	1	1	1	1
Banana oil	3	3	3	3	2	2	1	1	2	1	1	1	1

[illegible]

[illegible]

Calcium sulfide	1	1	1	1	1	1	-	1	1	1	1	1	1
Calcium sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1
Caprylic acid	3	3	-	2	-	-	-	2	-	-	1	1	1
Carbamide	-	-	-	1	-	-	-	1	-	-	1	1	1
Carbitol	-	-	2	1	2	2	-	1	-	-	1	1	1
Carbolic acid phenol	-	-	-	2	2	-	-	1	-	1	1	1	1
Carbon dioxide	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbon disulfide	3	3	3	3	-	-	-	-	-	1	2	2	2
Carbon tetrachloride	3	3	3	3	3	3	-	-	-	1	1	2	1
Carbon tetrafluoride	-	-	-	-	2	-	-	-	-	-	1	1	1
Carbonic acid	1	1	1	1	1	-	-	1	1	-	1	1	1
Castor oil	2	-	-	-	2	1	1	1	1	1	1	1	1
Caustic potash	2	1	1	1	1	2	2	1	-	-	1	1	1
Caustic soda	2	1	1	1	1	2	2	1	-	-	1	1	1
Cellosolve	-	-	2	1	1	-	2	-	-	-	1	1	1
Cellosolve acetate	3	3	-	2	2	-	-	-	-	-	1	1	1
Chlorinated solvents	3	3	3	3	-	3	3	-	-	1	1	1	1
Chlorine (dry)	3	3	3	3	3	3	3	3	3	1	2	2	1/2
Chlorine (wet)	3	3	3	3	3	3	3	3	3	1	2	2	1
Chlorine trifluoride	3	3	3	3	3	3	3	3	3	1	2	2	1
Chloroacetic acid	3	3	2	1	2	-	-	-	-	3	1	1	1
Chloroacetone	3	3	2	1	2	-	-	-	-	3	1	1	1
Chlorobenzene	3	3	3	3	3	3	3	3	-	1	1	1	1
Chlorobenzol	3	3	3	-	-	-	-	-	-	1	1	1	1
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	1	1	1
Chlorobutane	3	3	3	-	2	-	-	-	-	1	2	2	1
Chloroform	3	3	-	-	-	-	-	-	-	1	2	2	1
Chloropentane	3	3	3	3	3	3	-	-	-	1	1	1	1
Chlorosulfonic acid	3	3	3	3	3	3	3	3	3	3	2	3	1/2
Chlorotoluene	3	3	3	3	3	3	3	3	3	2	2	3	1/2
Chrome plating solutio	3	3	-	2	-	-	-	-	-	1	1	2	1
Chromic acid	3	3	-	2	-	3	3	2	-	1	1	1	1
Chromosulfuric acid	3	3	3	3	3	3	3	3	3	-	2	3	1
Citric acid	1	1	1	1	1	1	1	1	1	-	1	1	1
Coal oil	3	3	3	3	3	3	1	3	3	1	1	1	1
Coal tar	3	3	3	3	3	3	1	3	3	1	1	1	1

Coconut oil	3	3	3	3	2	3	1	-	-	-	1	1	1
Coke oven gas	3	3	3	3	3	3	2	3	-	1	1	1	1
Copper chloride	2	2	1	1	1	1	2	1	1	1	1	1	1
Copper cyanide	2	2	1	1	1	1	-	1	1	1	1	1	1
Copper hydrate	-	-	-	1	1	-	-	-	2	-	1	1	1
Copper hydroxide	-	-	2	1	1	-	-	1	2	-	1	1	1
Copper nitrate	1	2	1	1	1	1	-	1	1	1	1	1	1
Copper sulphate	1	2	1	1	1	1	-	1	1	1	1	1	1
Corn oil	3	3	3	3	1	2	1	-	-	1	1	1	1
Cottonseed oil	3	3	3	3	3	-	-	-	-	1	1	1	1
Creosote	3	3	3	3	3	-	2	-	-	1	1	1	1
Cresols	3	3	3	3	3	3	-	2	-	1	1	1	1
Cresylic acid	3	3	3	3	3	3	-	-	-	1	1	1	1
Crotonaldehyde	3	3	2	1	2	3	-	1	-	3	1	1	1
Crude oil	3	3	3	3	3	3	1	-	-	1	1	1	1
Cumene	3	3	3	3	3	3	2	3	3	1	1	1	1
Cupric carbonate	2	2	1	1	1	1	1	1	1	1	1	1	1
Cupric nitrate	1	2	1	1	1	1	1	1	1	1	1	1	1
Cupric sulphate	1	2	1	1	1	1	1	1	1	1	1	1	1
Cutting oil	3	3	3	3	-	2	1	-	-	1	1	1	1
Cyclohexane	3	3	3	3	-	-	1	1	-	-	1	1	1
Cyclohexanol	3	3	-	2	-	-	-	1	-	1	1	1	1
Cyclohexanone	3	3	3	2	3	3	3	2	3	3	1	1	1
Cyclopentane	3	3	3	3	3	3	-	3	3	1	1	1	1
Cyclopentanol	3	3	2	1	-	-	-	1	-	2	1	1	1
Cyclopentanone	3	3	-	2	-	-	-	2	-	3	1	1	1
Decahydronaphtalene	-	-	-	-	-	-	-	-	-	-	1	1	1
Decalin	3	3	3	3	3	3	3	3	3	1	1	1	1
Decanol	-	-	2	1	2	-	1	1	-	2	1	1	1
Decyl alcohol	1	1	1	1	1	-	-	1	-	-	1	1	1
Decyl aldehyde	-	-	2	1	1	-	-	-	-	2	1	1	1
Decyl butyl phthalate	3	3	-	1	1	-	2	-	-	2	1	1	1
Decyl carbinol	-	-	-	2	-	-	-	1	-	-	1	-	1
Denatured alcohol	1	1	1	1	1	1	-	1	1	2	1	1	1
Detergents (water)	2	2	1	1	1	2	1	-	-	1	1	1	1
Developer sol. (photo)	2	2	-	-	2	1	1	-	1	-	1	1	1

Diacetone alcohol	2	2	-	1	1	-	-	1	2	2	1	1	1
Diamyl naphtalene	3	3	-	-	2	-	-	-	-	2	1	1	1
Diamyl Phenol	3	3	3	3	3	3	-	-	-	1	1	1	1
Diamylamine	2	3	2	1	2	-	-	1	-	-	1	1	1
Diamylene	3	3	3	-	3	3	-	-	-	1	1	1	1
Dibenzyl ether	3	3	3	2	2	-	-	-	-	-	1	-	1
Dibromobenzene	3	3	3	3	3	3	3	3	-	1	1	1	1
Dibromoethane	3	3	3	3	3	3	3	3	3	-	1	1	1
Dibutyl amine	3	3	-	2	3	3	-	1	3	-	-	-	1
Dibutyl ether	3	3	-	2	2	-	-	1	-	-	1	1	1
Dibutyl Phthalate	3	3	-	2	2	-	3	-	3	-	1	1	1
Dibutyl sebacate	3	3	-	1	2	-	-	1	3	-	1	1	1
Dicalcium phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1
Dichloroacetic acid	3	3	-	2	-	3	3	-	3	3	1	1	1
Dichlorobenzene	3	3	3	3	3	3	3	3	3	1	1	1	1
Dichlorobutane	3	3	3	3	3	3	-	-	3	1	1	-	1
Dichlorodifluorometh.	3	3	3	3	3	3	3	3	3	2	-	-	1
Dichloroethane	3	3	3	3	3	3	-	-	-	1	1	1	1
Dichloroethyl ether	3	3	3	-	3	3	3	2	3	-	1	1	1
Dichloroethylene	3	3	3	3	3	3	3	3	3	1	2	2	1
Dichlorohexane	3	3	3	3	3	3	3	-	-	1	1	1	1
Dichloromethane	3	3	3	3	3	3	3	-	-	1	1	1	1
Dichloropropane	3	3	3	3	3	3	3	-	-	1	1	-	1
Dichloropropene	3	3	3	3	3	3	3	-	-	1	2	2	1
Diclhropentane	3	3	3	3	3	3	3	-	-	1	1	-	1
Diesel oil	3	3	3	3	3	3	1	2	-	1	1	1	1
Diethanolamine	2	2	1	1	1	2	2	1	2	-	1	1	1
Diethyl carbinol	-	-	1	1	1	-	-	1	-	-	1	1	1
Diethyl ether	3	3	-	2	-	-	-	1	-	3	1	1	1
Diethyl ketone	3	3	2	1	2	3	-	-	-	3	1	1	1
Diethyl oxalate	1	1	1	1	1	-	-	1	-	-	1	1	1
Diethyl phthalate	3	3	-	1	2	3	2	2	-	-	1	1	1
Diethyl sebacate	3	3	-	1	2	3	-	2	-	-	1	1	1
Diethyl sul fate	-	-	-	2	-	-	-	1	-	-	1	-	1
Diethylamine	2	2	2	1	2	-	-	1	-	-	1	1	1
Diethylamine	2	2	1	1	1	2	2	1	2	-	1	1	1

Diethylbenzene	3	3	3	3	3	3	-	-	-	1	1	1	1
Diethylene glicol	1	1	1	1	1	1	1	1	1	1	1	1	1
Dihydroxidietyleter	-	-	1	1	1	-	-	1	1	-	1	1	1
Diisobutyl ketone	-	-	2	1	-	-	-	-	-	-	1	1	1
Diisodecyl phthalate	3	3	2	1	1	-	3	-	-	3	1	1	1
Diisooctyl adipate	3	3	2	1	1	-	3	-	-	3	1	1	1
Diisooctyl phthalate	3	3	2	1	1	-	3	-	-	3	1	1	1
Diisopropyl amine	2	2	-	1	1	-	-	2	2	-	1	1	1
Dimethyl amine	2	2	2	1	1	-	2	2	-	-	1	1	1
Dimethyl benzene	3	3	3	3	3	3	3	3	3	1	1	1	1
Dimethyl carbinol	2	2	1	1	1	-	2	1	1	3	1	1	1
Dimethyl ether	3	3	-	2	-	-	-	1	-	3	1	1	1
Dimethyl formamide	-	-	-	2	2	-	-	2	-	-	1	1	1
Dimethyl ketone	3	3	-	1	-	-	-	1	-	3	1	1	1
Dimethyl phenol	3	3	3	3	3	3	3	3	3	1	-	-	1
Dimethyl phthalate	3	3	-	2	2	-	-	1	-	2	1	1	1
Dimethyl sul fate	3	3	-	3	3	-	-	1	-	-	1	1	1
Dimethyl sulfoxyde	3	3	-	-	-	-	-	-	-	-	1	1	1
Dinitrobenzene	3	3	-	2	2	-	-	-	-	1	1	1	1
Diocetyl adipate	3	3	-	1	1	-	2	-	-	2	1	1	1
Diocetyl phthalate	3	3	-	1	1	-	-	-	-	2	1	1	1
Dioxane	3	3	2	2	2	-	3	2	-	3	1	1	1
Dioxolane	3	3	3	2	3	-	-	2	-	3	1	1	1
Dipentene	3	3	-	-	-	-	-	2	-	1	-	-	1
Diphenyl phthalate	3	3	-	1	-	-	-	-	-	-	1	1	1
Dipropylamine	2	2	2	1	1	-	2	1	2	-	1	1	1
Dipropylene glicol	1	1	1	1	1	-	1	1	1	1	1	1	1
Disodium phosphate	1	1	1	1	1	-	1	1	1	-	1	1	1
Divinyl benzene	3	3	3	3	3	3	3	3	3	1	1	1	1
Dodecyl benzene	3	3	3	3	3	3	3	3	3	1	1	1	1
Dowper	3	3	3	3	3	-	2	-	-	1	1	1	1
Dowtherm A and E	3	3	3	3	3	3	3	3	-	1	1	1	1
Dry cleaning fluids	-	-	-	-	-	-	2	-	-	1	-	-	1
Ethanol	1	1	1	1	1	1	1	1	1	2	1	1	1
Ethanol amine	2	2	1	1	1	2	2	1	3	3	1	1	1
Ethyl acetate	3	3	-	2	2	3	3	2	3	3	1	1	1

Ethyl acetoacetate	3	3	-	2	2	3	3	2	3	3	1	1	1
Ethyl acetone	3	3	-	1	2	3	3	2	3	3	1	1	1
Ethyl acrylate	3	3	-	2	2	3	3	2	3	3	2	1	1
Ethyl Al dichloride	3	3	-	-	-	-	-	-	-	2	1	1	1
Ethyl aldehyde	-	-	2	1	1	-	-	-	-	3	1	1	1
Ethyl amine	-	-	2	1	1	2	-	1	-	-	1	1	1
Ethyl benzene	3	3	3	3	3	3	2/3	3	3	1	1	1	1
Ethyl bromide	3	3	3	3	3	3	2/3	-	-	1	1	1	1
Ethyl butyl acetate	3	3	2	1/2	1/2	-	-	2	-	3	1	1	1
Ethyl butyl alcohol	1/2	1/2	1	1	1	-	1/2	1/2	1	2	1	1	1
Ethyl butyl amine	2	2	1/2	1	1	-	2	1	2	2	1	1	1
Ethyl butyl ketone	3	3	2	1/2	1/2	-	-	-	2	3	1	1	1
Ethyl butyrate	3	3	-	1/2	-	-	-	-	-	3	1	1	1
Ethyl cellulose	2	2	2	1/2	2	2	-	1/2	2	3	1	1	1
Ethyl chloride	3	3	3	2/3	2/3	-	-	2/3	-	1/2	1	1	1
Ethyl dichloride	3	3	3	3	3	-	-	2/3	-	2	1	1	1
Ethyl ether	3	3	-	2	-	-	-	1/2	-	3	1	1	1
Ethyl formate	3	3	-	2	2	2	-	1/2	3	3	1	1	1
Ethyl iodide	3	3	-	-	-	-	-	2/3	-	2	2	2	1
Ethyl phthalate	-	-	-	2/3	-	-	-	2	-	-	1	1	1
Ethylbutyraldehyde	3	3	-	1	1	-	-	1/2	3	3	1	1	1
Ethylene chlorohydrine	2/3	2/3	-	2	2	3	3	2	2	1	1	1	1
Ethylene diamine	2	2	1/2	1	1	1	-	2	2	3	1	1	1
Ethylene dibromide	3	3	3	2/3	3	3	-	2/3	3	1/2	2	2	1
Ethylene dichloride	3	3	3	3	3	3	-	3	3	1/2	2	2	1
Ethylene glycol	1	1	1	1	1	1	1	1	1	1	1	1	1
Ethylene oxide gas	-	-	3	3	3	-	-	-	-	3	1	1	1
Fatty acids	3	3	3	3	3	2/3	2/3	2	3	1	1	1	1
Ferric bromide	1	1	1	1	1	-	-	1	1	1	1	1	1
Ferric chloride	1	1	1	1	1	-	1	1	1	1	1	1	1
Ferric nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1
Ferric sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1
Ferrous acetate	3	3	2	1/2	1/2	-	-	-	3	3	1	1	1
Ferrous chloride	1	1	1	1	1	1	1	1	1	1	1	1	1
Ferrous hydroxide	2/3	2/3	1/2	1	1	-	-	-	2	2	1	1	1
Ferrous sulfate	1	1	1	1	1	1	1/2	1	1	1	1	1	1

Fluoboric acid	2	2	1	1	1	2	-	1	1	2	1	1	1
Fluorine gas	3	3	3	3	3	3	3	3	3	1/2	1	1	1/2
Fluorobenzene	-	-	-	-	-	-	-	-	-	-	1	1	1
Fluosilicic acid	2	2	1	1	1	-	-	1	1	-	1	1	1
Formaldehyde	2	2	-	1	1	3	3	1	1	2	1	1	1
Formalin	2	2	1	1	1	-	-	1	1	1	1	1	1
Formic acid	2	2	1	1	1	-	-	1	2	3	1	1	1
Freon 12	3	3	3	3	3	2	-	1	3	2	1	2	1
Freon 22	3	3	3	3	3	3	3	1	3	3	1	2	1
Freon SO2	-	-	-	1	-	2	-	-	-	-	1	1	1
Fuel B (ASTM)	3	3	3	3	3	2	1	3	3	1	1	1	1
Fuel C (ASTM)	3	3	3	3	3	3	1	3	3	1	1	1	1
Fuel oil	3	3	3	3	3	2	1	2	3	1	1	1	1
Furan	3	3	3	3	3	3	3	1	3	-	1	1	1
Furfural	3	3	3	-	2	3	3	1	-	3	1	1	1
Furfuryl alcohol	3	3	3	2	2	3	3	1	-	2	1	1	1
Gallic acid	-	-	2	2	2	3	3	1	3	3	1	1	1
Gas, coke	3	3	-	-	-	-	2	-	1	-	-	-	1
Gas, liquified petrol	3	3	3	3	3	3	2	-	-	-	1	1	1
Gasoline	3	3	3	3	3	-	1	2	3	1	1	1	1
Gluconic acid	3	3	-	2	-	-	3	1	2	-	1	1	1
Glucose	1	1	2	1	1	2	2	2	1	-	1	1	1
Glycerine	1	1	1	1	1	1	1	1	1	1	1	1	1
Glycil alcohol	-	-	-	1	-	-	-	1	-	-	1	1	1
Glycolic acid	-	-	-	2	-	-	-	1	-	-	1	1	1
Glycols	1	1	1	1	1	1	1	1	1	1	1	1	1
Grease	3	3	3	3	3	2	1	-	-	1	1	1	1
Green sulphate liquor	1	1	1	1	1	2	2	2	1	1	1	1	1
Halon 1211	-	-	-	-	-	1	1	-	-	-	-	1	1
Helium	1	1	1	1	1	1	1	1	1	1	1	1	1
Heptanal	3	3	-	1	1	-	-	2	3	-	1	1	1
Heptane	3	3	3	3	3	2	1	1	-	1	1	1	1
Heptane carboxyl.acid	3	3	-	2	-	-	-	1	2	-	1	1	1
Hexaldehyde	3	3	1	1	2	2	-	-	3	3	1	1	1
Hexane	3	3	3	3	3	-	1	2	3	1	1	1	1
Hexanol	1	1	1	1	1	-	1	1	1	2	1	1	1

Hexene	3	3	3	3	3	2	2	1	2	1	1	1	1
Hexyl alcohol	1	1	1	1	1	2	1	1	1	2	1	1	1
Hexyl methyl ketone	3	3	-	2	2	-	3	2	3	3	1	1	1
Hexylamine	2	2	-	-	1	-	2	2	3	-	1	1	1
Hexylene glycol	1	1	1	1	1	-	1	1	1	1	1	1	1
Hydraulic oil	3	3	3	3	3	-	1	1	2	1	1	1	1
Hydrazine	3	3	3	3	2	2	3	3	1	-	1	1	1
Hydrobromic acid	3	1	1	1	1	3	3	1	1	3	1	1	1
Hydrochl. ac.37%(cold)	3	2	1	1	2	-	-	1	2	1	1	1	1
Hydrochl. ac.37%(hot)	3	3	3	2	3	-	-	1	3	2	1	1	1
Hydrochloric acid 15%	3	1	1	1	1	-	-	1	1	1	1	1	1
Hydrocyanic acid	3	3	-	-	2	2	-	3	3	-	1	1	1
Hydrofluoric acid cold	3	3	3	2	1/2	-	-	1	1	-	1	1	1
Hydrofluoric acid hot	3	3	3	3	3	-	-	1	3	-	1	1	1
Hydrofluosilicic acid	3	3	2	1	1/2	3	-	1	1	-	1	1	1
Hydrogen dioxide 10%	3	3	-	2	2	-	-	1	2	1	1	1	1
Hydrogen gas	2	2	-	1	1	1	1	1	2	2	1	1	1
Hydrogen perox. >10%	3	3	-	3	3	-	-	1	3	1	1	1	1
Hydrogen perox. 10%	3	3	-	2	2	-	-	1	2	1	1	1	1
Hydrogen sulfide	3	3	2	1	2	-	3	2	3	3	1	1	1
Iodine	3	3	3	3	3	-	-	1	1	3	1	1	1
Iron acetate	3	3	2	1	2	-	-	-	-	3	1	1	1
Iron salts	1	1	1	1	1	1	1	1	1	1	1	1	1
Isoamyl acetate	3	3	2	1	2	-	-	-	-	3	1	1	1
Isoamyl alcohol	1	1	1	1	1	-	1	1	1	2	1	1	1
Isoamyl bromide	3	3	3	2	-	-	-	-	-	1	1	1	1
Isobutane	3	3	3	3	3	-	1	-	-	1	1	1	1
Isobutyl acetate	3	3	-	2	-	3	-	3	3	3	1	1	1
Isobutyl aldehyde	3	3	2	1	1	-	3	-	2	3	1	1	1
Isobutyl amine	2	2	1	1	1	-	2	1	2	-	1	1	1
Isobutyl bromide	3	3	3	3	3	3	3	3	3	2	1	-	1
Isobutyl carbinol	1	1	1	1	1	-	1	1	1	1	1	1	1
Isobutyl chloride	3	3	3	3	3	3	3	3	3	2	1	-	1
Isobutyl ether	3	3	-	2	2	3	3	2	3	-	1	1	1
Isobutylene	3	3	3	-	3	3	2	-	3	1	1	1	1
Isooctane	3	3	3	3	3	3	1	2	3	1	1	1	1

Isopentane	3	3	3	3	3	3	1	2	3	1	1	1	1
Isopropanol amine	2	2	-	1	1	-	2	1	3	-	1	1	1
Isopropyl acetate	3	3	-	2	2	3	3	-	3	3	1	1	1
Isopropyl alcohol	1	1	1	1	1	1	1	1	1	2	1	1	1
Isopropyl amine	2	2	1	1	1	-	2	1	3	-	1	1	1
Isopropyl benzene	3	3	3	3	3	3	-	-	3	1	1	1	1
Isopropyl ether	3	3	3	3	3	3	3	-	3	3	1	1	1
Isopropyl toluene	3	3	3	3	3	3	3	3	3	1	1	1	1
Jet fuels	3	3	3	3	3	3	1	-	3	1	1	1	1
Kerosene	3	3	3	3	3	2	1	1	3	1	1	1	1
Ketones	3	3	1	1	1	3	3	-	3	3	1	1	1
Lactic acid (cold)	2	2	-	1	1	1	3	-	2	1	1	1	1
Lactic acid (hot)	3	3	-	-	-	-	-	-	-	3	2	2	1/2
Laquers solvents	3	3	3	3	3	3	3	3	3	3	1	1	1
Lard	3	3	-	2	1/2	1	1	1	3	3	1	1	1
Lauryl alcohol	1	1	1	1	1	-	1	1	1	2	1	1	1
Lauryl alcohol	1	1	1	1	1	-	1	1	1	2	1	1	1
Lavender oil	3	3	3	3	3	3	2	-	3	1	1	1	1
Lead acetate	3	2	2	1	2	1	2	1	3	3	1	1	1
Lead sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1
Lime bleach	2	2	1	1	1	2	1	-	2	1	1	1	1
Lime sulfur	3	3	1	1	1	1	3	-	1	1	1	1	1
Linoleic acid	3	3	3	-	-	-	2	-	-	2	1	1	1
Linseed oil	3	3	-	2	2	-	1	1	-	1	1	1	1
Liquid Petroleum Gas	3	3	3	3	3	-	1	2	-	1	1	1	1
Lubricating oils	3	3	3	3	3	2	1	2	-	1	1	1	1
Lye solutions	2	2	1	1	1	-	-	1	1	2	1	1	1
M.E.K.	3	3	2	1	2	-	-	3	3	3	1	1	1
Magnesium acetate	3	3	-	2	2	-	-	1	-	-	1	1	1
Magnesium chloride	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium hydrate	2	2	-	1	1	-	2	1	2	-	1	1	1
Magnesium hydroxide	2	2	1	1	1	2	2	1	2	2	1	1	1
Magnesium sulfate	1	1	1	1	1	1	1	1	1	-	1	1	1
Maleic acid	3	3	3	2	-	3	3	3	3	-	1	1	1
Maleic anhydride	3	3	3	2	3	3	3	3	3	3	1	1	1
Malic acid	3	2	-	2	-	-	-	2	2	1	1	1	1

Manganese sulphate	2	2	1	1	1	-	-	1	1	1	1	1	1
Manganese sulphite	2	2	1	1	1	-	-	1	1	1	1	1	1
Mercury	1	1	1	1	1	1	-	1	1	1	1	1	1
Mesityl oxide	3	3	2	2	-	-	-	2	-	-	1	1	1
Methallyl alcohol	1	1	1	1	1	-	1	1	1	3	1	1	1
Methanecarboxylic acid	3	3	3	-	-	2	-	1	-	-	1	1	1
Methanoic acid	3	3	-	2	-	-	-	1	-	-	1	1	1
Methanol	1	1	1	1	1	1	1	1	1	2	1	1	1
Methoxy ethanol	3	3	-	2	-	-	-	1	-	-	1	1	1
Methyl 1,2-pentanediol	3	3	-	-	-	-	-	1	-	-	1	1	1
Methyl acetate	3	3	2	1	2	-	-	1	3	3	1	1	1
Methyl acetone	3	3	2	1	2	-	-	1	3	3	1	1	1
Methyl alcohol	1	1	1	1	1	1	1	1	1	2	1	1	1
Methyl allyl acetate	3	3	-	2	-	-	-	-	-	3	1	1	1
Methyl allyl alcohol	-	-	-	2	-	-	-	1	-	-	1	1	1
Methyl allyl chloride	3	3	-	2	-	-	-	3	-	3	1	2	1
Methyl amyl acetate	3	3	-	2	-	-	-	3	-	3	1	2	1
Methyl amyl carbinol	1	1	1	1	1	-	-	1	1	3	1	1	1
Methyl benzene	3	3	3	3	3	3	3	3	3	1	2	2	1
Methyl bromide	3	3	3	3	3	3	3	3	3	1	2	2	1
Methyl butane	3	3	3	3	3	-	2	1	-	-	1	-	1
Methyl butanol	1	1	1	1	1	-	1	1	1	-	1	1	1
Methyl butyl ketone	3	3	2	1	2	-	-	-	-	3	1	1	1
Methyl carbitol	3	3	-	2	-	-	-	1	-	3	1	1	1
Methyl cellosolve	3	3	2	1	2	-	3	1	3	3	1	1	1
Methyl chloride	3	3	3	3	3	3	2/3	3	3	1/2	1/2	1/2	1/2
Methyl cyclohexane	3	3	3	3	3	3	2/3	3	3	1/2	1/2	1/2	1
Methyl ethyl ketone	3	3	2	1	2	-	-	3	3	3	1	1	1
Methyl hexanol	1	1	1	1	1	1	1	1	1	2	1	1	1
Methyl hexanone	3	3	2	1	1/2	3	3	3	3	3	1	1	1
Methyl isobut carbinol	2	2	1	1	1	-	-	1	3	3	1	1	1
Methyl isobutyl cheton	3	3	3	2	2	3	3	-	-	3	1	1	1
Methyl methacrylate	3	3	3	3	3	-	-	-	3	3	1	1	1
Methyl n amyl chetone	3	3	-	1/2	1/2	-	-	-	-	3	1	1	1
Methyl propyl ether	3	3	-	2	2	-	-	-	-	3	1	1	1
Methyl salicylate	3	3	-	1/2	1/2	-	-	-	-	3	1	1	1

Methyl ter butyl ether	3	3	-	2	2	-	-	-	-	3	1	1	1
Methylene bromide	3	3	3	3	3	3	3	3	3	-	2	2	1/2
Methylene bromide	3	3	3	3	3	3	3	3	3	1/2	1/2	1/2	1
Methylene chloride	3	3	3	3	3	3	3	3	3	1/2	1/2	1/2	1/2
Methylene chloride	3	3	3	3	3	3	3	3	3	-	2	2	1/2
Mineral spirits	3	3	3	-	-	2	1	-	-	-	1	1	1
Molten sulphur	2	2	2	1/2	2	-	3	1	2	-	-	-	1
Monobutyl ether	3	3	3	2	2	-	-	-	-	3	1	1	1
Monochloroacetic acid	3	2	-	2	-	-	3	1	3	3	1	1	1
Monochlorobenzene	3	3	3	3	3	3	3	3	3	1	1/2	1/2	1
Monoclhorodifluormet	3	3	3	-	2	3	-	-	-	-	1/2	1/2	1
Monoethanol amine	2	1	1	1	1	-	2	-	2	3	1	1	1
Monoethyl amine	-	-	2	1/2	2	-	-	1	2	-	1	1	1
MTBE (ter butyl metil Ether)	3	3	-	2	-	-	-	3	-	3	1	-	1
Muriatic acid	-	1	2	2	2	-	-	1	-	1	1	1	1
Naphta	3	3	3	3	3	3	1	2	-	1	1	1	1
Naphtalene	3	3	3	3	3	3	3	2	3	2	1	1	1
Naphtenic acid	3	3	3	3	3	3	2	2	3	1	1	1	1
Natural gas	3	3	3	3	3	3	1/2	-	2	1	1	1	1
Neohexane	3	3	3	3	3	3	1/2	2	-	1	1	1	1
Nickel acetate	2	2	-	1	2	-	2	-	-	3	1	1	1
Nickel chloride	1	1	1	1	1	2	1	1	1	1	1	1	1
Nickel nitrate	1	1	1	1	1	2	1	1	1	1	1	1	1
Nickel sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitric acid ? fuming	3	3	3	3	3	3	-	-	3	2/3	3	3	1/2
Nitric acid 10%	3	3	2	1	1	-	-	-	1	1	1	1	1
Nitric acid 20%	3	3	3	1	2	-	-	-	2	1	1	1	1
Nitric acid 30%	3	3	3	2	2	-	-	-	3	1	1	1	1
Nitric acid 40%	3	3	3	2	3	3	-	-	3	1	1	1	1
Nitric acid 40-60%	3	3	3	3	3	3	-	-	3	2	2	2	1
Nitrobenzene	3	3	3	3	3	3	-	-	3	2	1	1	1
Nitrocellulose	-	-	-	-	-	-	-	-	-	-	1	1	1
Nitrogen gas	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitromethane	3	2	2	1	1	-	-	-	3	-	1	1	1
Nitropropane	-	-	-	-	-	-	-	-	-	-	1	1	1
Nitrous oxide gas	1	1	1	1	1	-	-	1	1	-	1	1	1

Nonenes	3	3	3	3	3	-	1/2	-	-	1	1	1	1
Octadecanoic acid	3	3	3	3	3	-	1/2	2	-	-	1	1	1
Octane	3	3	3	3	3	-	1	-	-	1	1	1	1
Octanol	2	2	2	1	2	-	2	1	2	2	1	1	1
Octyl acetate	3	3	2	2	2	-	-	3	3	3	1	1	1
Octyl alcohol	2	2	2	1	2	-	-	1	-	2	1	1	1
Octyl aldehyde	3	3	-	1	2	-	-	1	3	3	1	1	1
Octyl amine	2	2	2	1	2	-	-	2	3	3	1	1	1
Octyl carbinol	1	1	1	1	1	-	1	1	1	2	1	1	1
Octylene glycol	1	1	1	1	1	-	1	1	1	-	1	1	1
Oil ? petroleum	3	3	3	3	3	2/3	1	-	2/3	1	1	1	1
Oleic acid	3	3	-	2	-	-	2	1	3	2	1	1	1
Oleum	3	3	3	3	3	3	3	3	3	2	3	3	1/2
Olive oil	3	3	-	2	1	1	1	2	3	1	1	1	1
Orthodichlorobenzene	3	3	3	3	3	3	3	3	3	1	1/2	1/2	1
Orthodichlorobenzol	3	3	3	3	3	3	3	3	3	1/2	1/2	1/2	1
Orthoxylene	3	3	3	3	3	3	3	3	3	1	1	1	1
Oxalic acid	3	3	1	1	1	3	3	1	3	3	1	1	1
Oxygen	2	2	1	1	1	-	2	1	1	1	1	1	1
Ozone	3	3	1	1	1/2	2	3	1	2	3	1	1	1
Paint	3	3	2	2	-	-	2	-	-	2	1	1	1
Palmitic acid	3	3	-	2	2	-	1	1	3	3	1	1	1
Papermakers alum	1	1	1	1	1	1	1	1	1	1	1	1	1
Paraffin	3	3	3	3	3	2	1	1	3	1	1	1	1
Paraldehyde	3	3	-	1/2	1/2	3	3	-	-	3	1	1	1
Paraxylene	3	3	3	3	3	3	3	3	3	1	1/2	1/2	1
Pelargonic acid	3	3	-	1	1	-	2	1	3	-	1	1	1
Pentachloroethene	3	3	3	3	3	3	3	3	3	1	1	1	1
Pentadione	3	3	-	2	-	-	-	2	3	3	1	1	1
Pentane	3	3	3	3	3	2	1	1	3	1	1	1	1
Pentanone	3	3	-	2	-	-	-	-	3	3	1	1	1
Pentasol	1	1	-	1	1	-	-	-	1	1	1	1	1
Perchloric acid	3	3	-	2	-	3	3	-	2	1	1	1	1
Perchloroethylene	3	3	3	3	3	3	3	3	3	1	1	1	1
Petroleum crude	3	3	3	3	3	3	1	1	3	1	1	1	1
Petroleum ether	3	3	3	3	3	3	1/2	1/2	3	1	1	1	1

Petroleum oils	3	3	3	3	3	-	1	-	3	1	1	1	1
Phenol	3	3	3	-	2	-	3	1	-	1	1	1	1
Phenolsulphonic acid	3	3	3	2/3	2/3	-	-	1/2	3	3	1	1	1
Phenyl chloride	3	3	3	3	3	3	3	3	3	1	1	1	1
Phenylamine	-	-	-	2/3	-	-	-	1/2	-	-	1/2	1/2	1
Phenylhydrazine	2	1/2	2	2	2	3	3	-	3	1	1/2	1/2	1
Phosphoric acid 10%	1	1	1	1	1	2	-	1	1	1	1	1	1
Phosphoric acid 10-85%	3	2	1	1	1	2	3	1	1	1	1	1	1
Picric acid (alcoholic)	2	2	2	-	1/2	-	-	2	1	3	1	1	1
Pine oil	3	3	3	3	3	3	3	1/2	3	1	1	1	1
Pinene	3	3	3	3	3	3	2	1	3	1	1	1	1
Polyethylene glycol	1	1	1	1	1	-	1	1	1	1	1	1	1
Polyol ester	3	3	3	3	-	-	1/2	-	-	1/2	1	1	1
Polypropylene glycol	1	1	1	1	1	-	1	1	1	1	1	1	1
Potassium acetate	3	3	1	1	2	2	2	1	3	3	1	1	1
Potassium bisulfate	1	1	1	1	1	1	-	1	1	-	1	1	1
Potassium busulfite	1	1	1	1	1	-	-	1	1	-	1	1	1
Potassium carbonate	1	1	1	1	1	1	1	1	1	-	1	1	1
Potassium chloride	1	1	1	1	1	1	1	1	1	-	1	1	1
Potassium chromate	-	-	-	1	1	-	-	1	2	1	1	1	1
Potassium cyanide	1	1	1	1	1	-	-	1	1	-	1	1	1
Potassium dichromate	-	-	-	1	1	-	-	1	2	1	1	1	1
Potassium hydroxide	2	2	1	1	1	3	3	1	2	3	1	1	1
Potassium nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium pmanganate	-	-	-	-	-	-	-	2	1	-	1	1	1
Potassium silicate	1	1	1	1	1	-	-	1	1	1	1	1	1
Propane	3	3	3	3	3	3	1	1	2	1	1	1	1
Propanediol	1	1	1	1	1	-	-	1	1	1	1	1	1
Propanol	1	1	1	1	1	-	-	1	1	2	1	1	1
Propanolamine	-	-	-	-	-	-	-	1	-	3	1	1	1
Propanone	-	-	-	1	2	-	-	1	-	3	1	1	1
Propenenitrile	-	-	-	-	-	-	-	1	-	-	-	-	1
Propionic acid	-	-	2	1	2	-	-	-	-	-	1	1	1
Propyl acetate	3	3	2	1/2	2	-	-	1/2	-	3	1	1	1
Propyl alcohol	1	1	1	1	1	-	2	1	1	-	1	1	1
Propyl aldehyde	3	3	2	1	2	-	-	1	-	3	1	1	1

Propyl benzene	3	3	3	3	3	-	2/3	-	-	1	1	1	1
Propyl chloride	3	3	3	3	3	3	3	-	-	2	1	1/2	1
Propyl ether	-	-	-	2	-	-	-	1	-	-	1	1/2	1
Propylene	3	3	3	3	3	3	3	1	-	1	1	-	1
Propylene dichloride	3	3	3	3	3	3	3	3	-	2	1	1/2	1
Propylene glycol	1	1	1	1	1	-	-	1	1	1	1	1	1
Red oil	3	3	3	3	3	2	1	1	2	1	1	1	1
Resorcinol	-	-	-	-	-	-	-	-	-	2	1	1/2	1
Richfield A, 100%	-	-	-	-	-	-	-	-	-	-	1	1	1
Richfield D, 33%	-	-	-	-	-	-	-	-	-	-	1	1	1
Sea water	1	1	1	1	1	1	1	1	1	1	1	1	1
Sewage	2	2	3	3	2	1	1	1	1	-	1	1	1
Silicate esters	-	-	-	-	-	1	2	1	-	-	1	1	1
Silicate of soda	1	1	1	1	1	-	-	1	1	-	1	1	1
Silicone grease	1	1	1	1	1	1	1	1	1	-	1	1	1
Silicone oil	1	1	1	1	1	1	1	1	1	-	1	1	1
Silver nitrate	1	1	1	1	1	1	2	1	1	1	1	1	1
Skydrol 500B	-	-	-	1	2	3	-	2	3	3	1	1	1
Soap solutions	2	2	2	1	1	2	1	1	1	1	1	1	1
Soda ash	1	1	1	1	1	1	1	1	1	1	1	1	1
Soda lime	2	2	2	1	1	-	-	1	2	2	1	1	1
Soda, caustic	2	2	2	1	1	-	-	1	2	2	1	1	1
Sodium acetate	3	3	3	1	2	-	-	1	3	3	1	1	1
Sodium aluminate	1	1	1	1	1	1	-	1	1	-	1	1	1
Sodium bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium bisulphate	2	2	2	1	1	-	1	1	1	-	1	1	1
Sodium bisulphite	2	2	2	1	1	-	1	1	1	-	1	1	1
Sodium borate	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium chloride	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium cyanide	3	3	3	1	1	3	3	1	1	-	1	1	1
Sodium dichromate	3	3	3	1	1	-	-	1	2	3	1	1	1
Sodium Hypochlorite	3	3	3	2	2	-	-	1	2	2	1	1	1
Sodium metaphosphate	2	2	2	1	1	2	2	1	2	-	1	1	1
Sodium nitrate	1	1	1	1	1	-	-	1	1	1	1	1	1
Sodium perborate	2	2	2	1	1	2	2	1	1	-	1	1	1
Sodium peroxide	2	2	2	1	1	-	-	-	2	-	1	1	1

Sodium Silicate	1	1	1	1	1	1	-	1	1	-	1	1	1
Sodium Thiosulfate	1	1	1	1	1	1	-	1	1	1	1	1	1
Soybean oil	3	3	3	2	1	2	1	-	2	1	1	1	1
Stannic chloride	1	1	1	1	1	-	-	1	1	-	1	1	1
Steam, max 176°C	3	3	1	1	1/2	3	3	-	-	3	3	3	1
Stearic acid	3	3	2	1	2	2	2	1	3	3	1	1	1
Stoddarts solvent	3	3	3	3	3	-	1	1	3	1	1	1	1
Styrene	3	3	3	3	3	3	3	3	3	2	2	2	1
Sulphamic acid	2	2	1	1	1	2	2	1	2	3	1	1	1
Sulphonic acid	3	3	3	3	3	3	3	2	2	-	1	1	1
Sulphur	3	3	3	2/3	2/3	-	-	2/3	2/3	2	1	1	1
Sulphur dioxide	3	3	2	2	-	-	-	-	2	-	1	1	1
Sulphur trioxide	3	3	3	3	-	-	-	-	-	-	3	3	1
Sulphuric acid 25%	3	2	1	1	1	2	-	1	1	1	1	1	1
Sulphuric acid 50%	3	3	1	1	1	-	-	1	1	1	1	1	1
Sulphuric acid 75%	3	3	2	1	2	-	-	1	1	1	1	1	1
Sulphuric acid 96%	3	3	3	2	3	-	-	2	2	-	1/2	1	1
Sulphuric acid 98%	3	3	3	3	3	-	-	3	3	-	2	2	1
Sulphuric acid –fuming	3	3	3	3	3	3	3	3	3	3	3	3	1
Sulphurous acid 10%	2	2	1	1	1	-	-	1	1	-	1	1	1
Sulphurous acid 85%	3	3	1	1	1	-	-	1	1	-	1	1	1
Sulphydic acid (H2S)	3	3	2	1	1	-	3	1	1	-	1	1	1
Tall oil	3	3	3	3	3	2	1	-	3	1	1	1	1
Tallow	3	3	3	3	3	-	1	-	3	-	1	1	1
Tannic acid	2	2	1	1	1	-	-	1	1	-	1	1	1
Tar	3	3	3	3	3	2/3	2	-	-	1	3	2	1
Tartaric acid	3	3	2	1	1	2	2	1	1	-	1	1	1
Tertiary butyl alcohol	2	2	1	1	1	-	1	1	1	1	1	1	1
Tertiary butyl mercapt	3	3	3	3	3	-	-	-	-	1	-	-	1
Tetrachlorobenzene	3	3	3	3	3	3	3	3	3	1/2	2	1/2	1
Tetrachloroetane	3	3	3	3	3	3	3	3	3	1	2	2	1
Tetrachloroethylene	3	3	3	3	3	3	3	3	3	1	1/2	1	1
Tetrachloromethane	3	3	3	3	3	3	3	3	3	1	1	1	1
Tetrachloronaphtalene	3	3	3	3	3	3	3	3	3	1/2	1	1	1
Tetrahydrofuran	3	3	3	3	3	3	3	3	3	-	1/2	1	1
Tin chloride	2	2	2	1	1	-	2	-	1	-	1	1	1

[illegible]