



# Decarlo Associates

Amyl acetate	F	X	X	X	F	X	G	X	G
Amyl alcohol	G	G	G	G	G	G	G	G	G
Aniline, aniline oil	X	X	C	X	G	X	C	G	G
Aniline dyes	F	F	F	F	G	F	C	-	-
Animal fats	X	X	F	G	X	F	F	G	G
Animal oils	X	X	X	G	F	X	G	G	-
Asphalt	X	X	F	F	X	F	X	G	X
Barium chloride	G	G	G	G	G	G	G	G	-
Barium hydroxide	G	G	G	G	G	G	G	G	-
Barium sulfide	G	G	G	G	G	G	G	G	-
Beer	G	G	G	G	G	G	G	G	-
Beet sugar liquors	G	G	G	G	G	G	G	G	-
Benzene (benzol)	X	X	X	C	X	X	X	G	G
Benzine, petroleum ether	X	X	C	F	X	F	X	G	-
Benzine, petroleum naphtha	X	X	C	F	X	F	X	G	-
Black sulfate liquor	G	G	G	G	G	G	G	G	-
Blast furnace gas	C	C	G	C	C	C	C	G	-
Borax	G	G	G	G	G	G	G	G	-
Boric acid	G	G	G	G	G	G	G	G	-
Brine	G	G	G	G	G	G	G	G	-
Bromine	X	X	X	X	X	C	X	G	F
Butane	X	X	F	G	X	G	X	G	-
Butyl acetate	C	X	X	X	F	X	F	X	G
Butyl alcohol (butanol)	G	G	G	G	G	G	G	G	G
Calcium bisulfate	C	C	G	G	F	G	F	G	-
Calcium chloride	G	G	G	G	G	G	G	G	-
Calcium hydroxide	G	G	G	G	G	G	G	G	-
Calcium hypochlorite	X	X	X	X	G	F	G	F	-
Caliche liquors	G	G	G	G	G	G	G	G	-
Cane sugar liquors	G	G	G	G	G	G	G	G	-
Carbolic acid (phenol)	C	C	C	C	C	C	G	G	-
Carbon dioxide, wet or dry	G	G	G	G	G	G	G	G	-
Carbon disulfide	X	X	X	X	X	X	X	G	C
Carbon monoxide 150°F	C	C	C	C	C	F	C	G	-
Carbon tetrachloride	X	X	X	C	X	X	X	G	G
Castor oil	G	G	G	G	G	G	G	G	-
Cellusolve acetate	F	F	X	X	G	G	C	G	-
China wood oil (tung oil)	X	X	F	G	G	F	G	C	G

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Chlorine, wet or dry	X	X	X	X	X	X	X	G	F
Chlorinated solvents	X	X	X	X	X	X	X	G	-
Chloroacetic acid	X	C	C	C	X	G	X	G	-
Chlorosulfonic acid	X	X	C	C	X	X	X	X	F
Chromic acid	X	X	X	X	C	G	F	-	-
Critic acid	G	G	G	F	G	G	G	G	-
Coke oven gas	C	C	C	C	C	G	X	C	-
Copper chloride 150°F	C	G	F	G	G	F	G	G	-
Copper sulfate 150°F	C	G	G	G	F	G	G	G	-
Corn oil	X	C	F	G	G	F	C	C	-
Cottonseed oil	X	C	F	G	G	F	C	G	G
Creosols (cresylic acid)	C	X	X	C	C	F	X	G	-
Creosote, coal tar	X	X	F	G	X	F	X	F	G
Creosote, wood	X	X	F	G	X	F	X	F	G
Ethers	C	C	C	C	C	F	X	X	G
Ethyl acetate	F	X	X	X	F	X	F	X	G
Ethyl alcohol (ethanol)	G	G	G	G	G	G	G	G	G
Ethyl cellulose	F	F	F	F	F	F	G	-	-
Ethyl chloride	G	F	F	X	G	F	G	F	F
Ethylene glycol	G	G	G	G	G	G	G	G	G
Ferric chloride 150°F	G	G	G	G	G	G	G	G	-
Ferric sulfate 150°F	G	G	G	G	G	G	G	G	-
Formaldehyde	G	G	C	G	G	G	G	G	-
Formic acid	G	G	C	F	G	G	G	X	F
Freon #12, liquid	X	X	G	F	F	F	G	-	-
Fuel oil	X	X	F	G	X	F	X	G	-
Furfural	X	C	C	X	G	F	C	X	G
Gasoline, unleaded	X	X	X	G	X	X	X	G	F
Gasoline, regular leaded	X	X	X	C	X	X	X	G	F
Gasoline, hi-test leaded	X	X	X	G	X	X	X	G	F
Gelatin	G	G	G	G	G	G	G	G	-
Glucose	G	G	G	G	G	G	G	G	-
Glue	F	F	G	G	F	G	G	G	-
Glycerine (glycerol)	G	G	G	G	G	G	G	G	G
Green sulfate liquor	G	G	G	G	G	G	G	G	-
Hydraulic fluids:	-	-	-	-	-	-	-	-	-
petroleum	X	X	G	G	X	F	X	-	-
phosphate ester alkyl	X	X	C	G	X	G	-	-	
phosphate ester aryl	X	X	X	X	C	X	C	-	-

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phosphate ester blends	X	X	X	X	X	X	C	-	-
silicate ester	X	X	C	C	X	C	X	-	-
water-glycol	G	G	G	G	G	G	G	-	-
Hydrobromic acid	C	X	C	C	G	G	G	-	-
Hydrochloric acid	G	X	X	X	C	C	C	G	G
Hydrocyanic acid	F	F	C	F	C	G	C	G	-
Hydrofluoric acid	X	X	X	X	C	G	C	G	G
Hydrofluosilicic acid	G	F	F	F	G	G	-	-	-
Hydrogen gas	F	F	G	G	G	G	G	-	-
Hydrogen peroxide	X	X	C	C	C	C	C	G	-
Hydrogen sulfide, dry	C	C	F	X	G	G	G	-	-
Hydrogen sulfide, wet	C	C	F	C	G	G	G	G	-
Jet fuels	X	X	F	G	X	C	X	G	G
Kerosene	X	X	F	G	X	C	X	G	G
Lacquers	X	X	X	X	C	X	X	F	-
Lacquer solvents	X	X	X	X	C	X	X	X	F
Lactic acid	C	C	C	C	C	G	C	G	-
Linseed oil	C	X	F	G	G	G	G	G	G
Lubricating oils, crude	X	X	F	G	X	C	X	G	G
Lubricating oils, refined	X	X	F	G	X	C	X	G	-
Magnesium chloride 150°F	G	G	G	G	G	G	G	G	-
Magnesium hydroxide 150°F	G	F	F	F	G	G	G	G	-
Magnesium sulfate 150°F	G	G	G	G	G	G	G	G	-
Mercuric chloride	F	F	C	F	G	G	G	G	-
Mercury	G	G	G	G	G	G	G	G	-
Methyl alcohol	G	G	G	G	G	G	G	C	G
Methyl chloride	C	C	C	C	C	X	C	F	-
Methyl ethyl ketone	X	X	X	X	F	-	G	X	G
Methyl isopropyl ketone	X	X	X	X	F	C	C	X	G
Milk	C	C	F	F	G	G	G	G	-
Mineral oils	X	C	F	G	X	F	X	G	-
Natural gas	C	C	G	G	C	G	X	G	-
Nickel chloride 150°F	G	G	G	G	G	G	G	G	G
Nickel sulfate 150°F	G	G	G	G	G	G	G	G	-
Nitric acid, concentrated, 70%	X	X	X	X	C	C	X	C	F
Nitric acid, diluted, 10%	X	X	C	X	C	G	C	C	-
Nitric acid, crude	X	X	X	X	C	C	X	-	-

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Nitrobenzene	X	X	X	X	X	X	F	G	-
Oleic acid	X	F	C	F	F	X	F	G	-
Oleum spirits	X	C	C	C	F	C	-	-	-
Oxalic acid	F	C	F	F	G	G	G	G	-
Oxygen	F	C	G	C	G	G	G	-	-
Palmitic acid	X	F	G	G	F	F	F	G	-
Perchloroethylene	X	X	X	C	X	X	X	G	G
Petroleum, crude 200°F	X	X	F	G	X	C	X	G	-
Petroleum oils 200°F	X	X	F	C	C	G	C	G	-
Phosphoric acid, crude	G	C	C	C	C	G	C	G	-
Phosphoric acid, pure, 45%	G	C	C	C	C	C	G	G	-
Picric acid, molten	C	C	C	C	G	G	-	-	-
Picric acid, water solution	G	C	F	F	G	G	-	-	-
Potassium chloride	G	G	G	G	G	G	G	G	-
Potassium cyanide	G	G	G	G	G	G	G	G	-
Potassium hydroxide	F	F	C	C	G	G	G	G	-
Potassium sulfate	G	G	G	G	G	G	G	G	-
Propane	X	X	F	G	X	F	X	G	-
Sea water	G	G	G	G	G	G	F	G	G
Sewage	C	C	F	G	C	G	C	G	-
Soap solutions	G	G	F	G	G	G	G	G	-
Soda ash (sodium carbonate)	G	G	G	G	G	G	G	G	-
Sodium bicarbonate (baking soda)	G	G	G	G	G	G	G	G	-
Sodium bisulfate	G	G	G	G	G	G	G	G	-
Sodium chloride	G	G	G	G	G	G	G	G	-
Sodium cyanide	G	G	G	G	G	G	G	G	-
Sodium hydroxide (caustic soda)	F	F	C	C	G	C	G	G	G
Sodium hypochlorite	X	X	X	X	G	F	G	G	-
Sodium metaphosphate	G	G	C	G	G	F	G	G	-
Sodium nitrate	C	C	C	C	G	G	G	G	-
Sodium perborate	C	C	C	C	G	G	G	G	-
Sodium peroxide	C	C	C	C	G	G	G	G	-
Sodium phosphate, monobasic	G	F	C	F	G	G	G	G	-
Sodium phosphate, dibasic	G	F	C	F	G	G	G	G	-

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Sodium phosphate, tribasic	G	F	C	F	G	G	G	G	-
Sodium silicate	G	G	G	G	G	G	G	G	-
Sodium sulfate	G	G	G	G	G	G	G	G	-
Sodium sulfide	G	G	G	G	G	G	G	G	-
Sodium thiosulfate (hypo)	G	G	G	G	G	G	G	G	-
Soybean oil	X	C	F	G	G	G	G	G	G
Stannic chloride	G	G	G	G	F	G	F	G	-
Steam 450°F	C	C	C	C	C	C	F	X	-
Stearic acid	X	X	C	F	F	C	F	G	-
Sulfur	F	F	G	F	G	G	G	C	-
Sulfur chloride	X	X	C	C	X	G	X	G	-
Sulfur dioxide, dry	C	C	C	C	C	G	C	-	-
Sulfur trioxide, dry	X	C	C	C	C	F	C	-	-
Sulfuric acid, 10%	G	G	G	G	G	G	G	G	G
Sulfuric acid, 11-75%	C	C	C	C	F	G	C	G	-
Sulfuric acid, 76-95%	X	X	X	X	C	G	X	G	G
Sulfuric acid, fuming	X	X	X	X	X	X	X	G	X
Sulfurous acid	C	C	C	C	C	G	C	G	-
Tannic acid	G	C	G	C	G	G	G	G	-
Tar	X	X	C	C	X	C	X	X	-
Tartaric acid	G	C	C	C	F	G	F	G	-
Toluene (toluol)	X	X	X	C	X	X	X	G	G
Trichloroethylene	X	X	X	X	X	X	X	G	G
Turpentine	X	X	X	F	X	X	X	G	G
Vegetable oil, non-edible	X	X	F	F	G	G	-	-	-
Vinegar	C	C	C	C	G	G	G	T	-
Water, acid mine	G	G	C	G	G	G	G	G	G
Water, distilled	G	G	C	G	G	G	G	G	-
Water, fresh	G	G	C	G	G	G	G	G	-
Water, sea	G	G	G	G	G	G	F	G	G
Whiskey and wines	G	G	G	C	G	G	G	G	-
Xylene (xylol)	X	X	X	C	X	X	X	G	G
Zinc	C	C	C	C	G	G	G	G	-
Zinc sulfate	G	G	G	G	G	G	G	G	-

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