

Resistance Rating Key S = SATISFACTORY C = CONDITIONAL U = UNSATISFACTORY	Synthetic rubber	Teflon	Nylon	Thermoplastic Polyester	Steel	Brass	Stainless Steel	Aluminum
	HOSE				FITTINGS			
Agent to be carried								
Acetate Solvents, Crude	U	S	U	U	U	U	S	S
Acetate Solvents, Pure	U	S	U	U	U	U	S	S
Acetate Acid, dilute (10%)	U	S	U	U	U	U	S	S
Acetate Acid, glacial	U	S	U	U	U	U	S	S
Acetate Acid, Vapors	U	U	U	U	U	U	U	U
Acetone	U	S	S	S	S	S	S	S
Acetylene	U	S	S	S	S	S	S	S
Air	S	S	S	S	S	S	S	S
Air (Hot) (to +160° F)	S	S	S	S	S	S	S	S
Air (Hot) (to +200° F)	C	S	S	S	S	S	S	S
Air (Wet)	S	S	C	C	C	S	S	S
Alcohols	S	S	S	S	C	S	S	S
Aluminum Chloride	U	U	U	U	U	U	U	U
Aluminum Fluoride 20%	U	U	U	U	U	U	U	U
Aluminum Sulfate	U	S	U	U	U	C	S	C
Alums	U	S	U	U	U	C	S	C
Ammonia Gas, Cold	U	U	U	U	S	U	S	S
Ammonia Gas, Hot	U	U	U	U	S	U	S	C
Ammonia, Liquid (Anhydrous)	U	U	U	U	S	U	S	S
Ammonia, Aqueous	U	U	U	U	S	U	S	S
Ammonia, Chloride	S	S	S	U	U	U	U	U
Ammonium Hydroxide	S	S	C	U	S	U	S	S
Ammonium Nitrate	S	S	S	S	S	U	S	C
Ammonium Phosphate	U	S	U	U	U	U	S	C
Ammonium Sulfate	S	S	S	S	S	U	C	U
Anyl Acetate	U	S	U	C	C	S	S	S
Anyl Alcohol	S	S	C	S	S	S	S	C
Aniline, Aniline Oil	U	S	U	C	S	U	S	C
Aniline Dyes	U	S	U	U	U	C	S	C
Asphalt (up to +180° F)	S	S	S	S	S	S	S	C
Barium Chloride	S	S	U	S	S	S	C	C
Barium Hydroxide	S	S	S	S	S	U	S	U
Barium Sulfide	U	S	U	U	U	U	S	U
Beet Sugar Liquors	S	S	S	S	S	S	S	S
Benzene, Benzol	U	S	S	S	S	S	S	S
Benzine (Petroleum Ether)	S	S	C	S	S	S	S	S
Benzine (Petroleum Naphtha)	S	S	C	S	S	S	S	S
Black Sulfate Liquor	S	S	S	S	S	C	S	U
Blast Furnace Gas	U	S	S	S	S	S	S	U
Borax	S	S	S	S	S	S	S	S
Boric Acid	U	S	U	U	U	C	S	S
Brine	S	S	C	U	U	S	C	U
Bromine	U	U	U	U	U	C	U	U
Butyl Acetate	U	S	S	S	S	S	S	S
Butyl Alcohol, Butanol	S	S	S	S	S	S	S	S

Resistance Rating Key S = SATISFACTORY C = CONDITIONAL U = UNSATISFACTORY	Synthetic rubber	Teflon	Nylon	Thermoplastic Polyester	Steel	Brass	Stainless Steel	Aluminum
	HOSE				FITTINGS			
Agent to be carried								
Calcium Biosulfite	U	S	U	U	U	U	U	C
Calcium Chloride	S	S	U	S	S	S	S	C
Calcium Hydroxide	S	S	S	S	S	S	S	U
Calcium Hypochlorite	C	S	U	C	C	C	U	U
Caliche Liquors	S	S	S	S	S	S	S	S
Cane Sugar Liquors	S	S	S	S	S	S	S	S
Carbolic Acid Phenol	C	S	U	U	U	S	S	S
Carbon Dioxide	U	S	S	S	S	S	S	S
Carbon Disulfide	U	S	U	S	S	S	S	S
Carbon Monoxide (hot)	C	S	C	S	S	C	S	S
Carbon Tetrachloride	U	S	S	S	U	S	C	C
Carbonic Acid	U	S	U	U	U	U	S	S
Castor Oil	S	S	S	S	S	S	S	S
Cellosolve Acetate	U	S	U	U	S	S	S	S
China wood Oil (Tung)	S	S	S	S	S	S	S	S
Chlorinated Solvents	U	S	U	U	S	S	S	U
Chlorine (Dry)	U	S	U	U	S	S	S	S
Chlorine (Wet)	U	U	U	U	S	U	C	U
Chloroacetic Acid	U	U	U	U	U	U	U	U
Chloroform	U	S	U	U	U	S	C	U
Chlorosulphonic Acid	U	S	U	C	U	U	U	U
Chromic Acid 30%	U	S	U	U	C	U	U	C
Citric Acid 10%	U	S	U	U	U	C	S	S
Copper Chloride	U	U	U	U	U	U	U	U
Copper Sulfate	U	S	U	U	U	U	S	U
Cottonseed Oil	S	S	S	S	S	S	S	S
Creosote	S	S	U	U	S	C	S	S
Diesel Oil Light	S	S	S	S	S	S	S	S
Dowtherm A and E	U	S	U	S	S	S	S	S
Ethers	C	S	S	S	S	S	S	S
Ethyl Acetate	U	S	S	S	S	S	S	C
Ethyl Alcohol	S	S	S	S	S	S	S	S
Ethyl Cellulose	S	S	C	S	S	S	S	S
Ethyl Chloride	S	S	S	S	S	S	C	C
Ethylene Dichloride	U	S	S	U	U	S	U	U
Ethylene Glycol	S	S	S	S	S	S	S	S
Ferric Chloride	U	U	U	C	U	U	U	U
Ferric Sulfate	U	S	U	U	U	U	S	U
Ferrous Salt Solutions	U	U	U	U	U	U	U	U
Formaldehyde	S	S	S	S	U	S	S	S
Formic Acid	U	S	U	U	U	C	U	C
Freon (see refrigerant)								
Fuel Oil	S	S	S	S	S	S	S	S
Furfural	U	S	S	S	S	S	S	S

Resistance Rating Key	Synthetic rubber	Teflon	Nylon	Thermoplastic Polyester	Steel	Brass	Stainless Steel	Aluminum
S = SATISFACTORY								
C = CONDITIONAL								
U = UNSATISFACTORY								
Agent to be carried	HOSE				FITTINGS			
Naphtha	S	S	S	S	S	S	S	S
Naphthalene	U	S	S	S	S	S	S	S
Nickel Chloride	U	U	U	U	U	U	C	U
Nickel Sulfate	U	S	U	U	U	C	S	C
Nitric acid, crude	U	S	U	U	U	U	S	U
Nitric Acid 10%	U	S	U	U	U	U	S	U
Nitric Acid 70%	U	S	U	U	U	U	S	U
Nitrobenzene	U	S	S	C	S	S	S	U
Oleic Acid	S	S	S	S	S	C	C	S
Oleum Spirits	S	S	S	S	U	S	S	S
Oxalic Acid	U	S	U	C	U	C	C	S
Oxygen	U	C	U	U	S	S	S	S
Paint	U	S	S	S	S	S	S	S
Palmitic Acid	S	S	U	S	S	U	S	S
Perchlorethylene	U	S	U	U	S	S	S	S
Petroleum Oils (see Hydraulic Fluids)								
Phosphoric Acid (Commercial)	U	S	U	U	U	U	S	U
Picric Acid, Molten	U	U	U	U	U	U	U	U
Picric Acid, Solution	U	S	U	U	C	U	S	C
Potassium Chloride	S	S	S	S	S	U	U	U
Potassium Cyanide	S	S	S	S	S	U	S	U
Potassium Hydroxide	U	S	U	C	C	U	S	U
Potassium Sulfate	S	S	S	S	S	S	S	S
Prestone	S	S	S	S	S	S	S	S
Freon 12	C	S	S	S	S	S	S	S
Freon 13	C	S	S	S	S	S	S	S
Freon 22	U	C	C	C	S	S	S	S
Sewage	S	S	S	S	S	S	U	S
Soap Solution	S	S	S	S	S	S	S	U
Soda Ash, Sodium Carbonate	S	S	S	S	S	S	S	U
Sodium Birulfate	U	S	U	U	U	C	C	U
Sodium Chloride	S	S	S	S	S	C	S	U
Sodium Cyanide	S	S	S	S	S	U	S	U
Sodium Hyproxide 50%	U	S	S	S	S	U	S	U
Sodium Hypochlorite	U	U	U	U	U	U	U	U
Sodium Nitrate	S	S	S	S	S	C	S	S
Sodium Perborate	U	S	U	C	U	U	S	U
Sodium Peroxide	U	S	U	C	U	U	S	S
Sodium Phosphates	S	S	S	S	U	S	S	S
Sodium Silicate	S	S	S	S	S	C	S	U
Sodium Sulfate	S	S	S	S	S	S	S	S
Sodium Sulfide	S	S	S	S	S	U	S	U
Sodium Thiosulfate "Hypo"	S	S	S	S	U	U	S	S
Soybean Oil	S	S	S	S	S	S	S	S

Resistance Rating Key S = SATISFACTORY C = CONDITIONAL U = UNSATISFACTORY	Synthetic rubber	Teflon	Nylon	Thermoplastic Polyester	Steel	Brass	Stainless Steel	Aluminum
	HOSE				FITTINGS			
Agent to be carried								
Gasoline	S	S	S	S	S	S	S	S
Glue	C	S	C	S	S	C	S	S
Glycerine, Glycerol	S	S	S	S	S	S	S	S
Grease Petro	S	S	S	S	S	S	S	S
Green Sulfate Liquor	U	S	U	U	S	U	S	U
Heptane	S	S	S	S	S	S	S	S
Hexane	S	S	S	S	S	S	S	S
Hydraulic Fluids & Lubricating Oils								
Straight Petroleum Base	S	S	S	S	S	S	S	S
Water & Petroleum Oil Emulsion (FR)	S	S	S	S	S	S	S	S
Water & Glycol Solution	S	S	S	S	S	S	S	S
Straight Phosphate--Ester (FR)	U	S	S	S	C	S	S	S
Phosphate-Ester & Petroleum Oil Blend (FR)	U	S	S	S	S	S	S	S
Ester Blend (MNIL-L-7808)	S	S	S	S	S	S	S	S
Silicone Oils	S	S	S	S	S	S	S	S
Hydrobromic Acid	U	U	U	U	U	C	U	U
Hydrochloric Acid, cold	U	U	U	U	U	C	U	U
Hydrochloric Acid, hot	U	U	U	U	U	C	U	U
Hydrocyanic Acid	U	S	U	U	S	U	C	S
Hydrofluoric Acid, cold	U	U	U	U	U	C	U	U
Hydrofluoric Acid, hot	U	U	U	U	U	C	U	U
Hydrofluosilicic Acid	U	U	U	U	U	U	U	U
Hydrogen	C	C	S	S	S	S	S	C
Hydrogen Peroxide (dilute)	U	S	U	U	U	U	S	S
Hydrogen Peroxide (concentrated)	U	S	U	U	U	U	S	S
Hydrogen Sulfide	U	S	U	C	U	U	C	S
Kerosene	S	S	S	S	S	S	S	S
Lacquer	U	S	S	U	U	S	S	S
Lacquer Solvents	U	S	C	U	U	S	S	S
Lactic Acid	U	S	U	U	U	C	S	U
Linseed Oil	S	S	S	S	S	S	S	S
LPG (see page 19)								
Lubricating Oils (see Hydraulic Fluids)								
Magnesium Chloride	S	S	S	S	S	S	C	U
Magnesium Hydroxide	S	S	S	S	S	S	S	U
Magnesium Sulfate	S	S	S	S	S	S	S	S
Mercuric Chloride	U	U	U	C	U	U	C	U
Mercury	S	S	S	S	S	U	S	U
Methyl Alcohol, Methanol	S	S	S	U	S	S	S	S
Methyl Chloride, cold	C	S	C	U	S	S	S	U
Methyl Ethyl Ketone	U	S	S	S	S	S	S	S
Methyl Isopropyl-Ketone	U	U	U	U	C	C	C	C
Mineral Oil	S	S	S	S	S	S	S	S

Resistance Rating Key S = SATISFACTORY C = CONDITIONAL U = UNSATISFACTORY	Synthetic rubber	Teflon	Nylon	Thermoplastic Polyester	Steel	Brass	Stainless Steel	Aluminum
Agent to be carried	HOSE				FITTINGS			
Stannic/Chloride	U	U	U	U	U	U	U	U
Steam--up to +250° F	C	S	U	U	S	S	S	S
Stearic Acid	S	S	S	S	U	U	C	S
Sulfur	C	S	S	S	S	U	S	S
Sulfur Chloride	C	S	S	C	U	U	C	U
Sulfur Dioxide	C	S	U	C	S	U	S	C
Sulfur Trioxide	C	S	U	C	S	S	C	C
Sulfuric Acid--10% Cold	U	U	U	U	U	U	U	U
Sulfuric Acid--10% Hot	U	U	U	U	U	U	U	U
Sulfuric Acid--75% Cold	U	U	U	U	U	U	U	U
Sulfuric Acid--75% Hot	U	U	U	U	U	U	U	U
Sulfuric Acid--95% Cold	U	U	U	U	U	U	U	U
Sulfuric Acid--95% Hot	U	U	U	U	U	U	U	U
Sulfuric Acid--Fuming	U	S	U	U	S	U	S	S
Sulfurous Acid	U	S	U	C	U	U	C	S
Tannic Acid	C	S	U	U	S	S	S	C
Tar	C	S	S	S	S	S	S	S
Tartaric Acid	U	S	U	U	U	C	S	C
Toluene	U	S	S	S	S	S	S	S
Trichlorethylene	U	S	C	U	U	S	S	S
Turpentine	C	S	S	S	S	S	S	S
Varnish	U	S	S	S	S	S	S	S
Water	S	S	S	S	C	S	S	S
Water (over +150° F)	C	S	U	U	C	S	S	S
Xylene	C	S	S	S	S	S	S	S
Zinc Chloride	U	U	U	C	U	U	U	U
Zinc Sulfate	U	S	U	C	C	C	S	C