

Chemical Resistance Guide

MAXIMUM RECOMMENDED OPERATING TEMPERATURES

GASKET MATERIALS	BUNA N	250°F
	ETHYLENE PROPYLENE	350°F
	VITON	400°F
	TEFLON	450°F
FILTER MEDIA	POLYESTER	300°F
	POLYPROPYLENE	180°F
	NYLON	325°F
HOUSING MATERIALS	CARBON STEEL	400°F
	304 STAINLESS STEEL	400°F
	316 STAINLESS STEEL	400°F
	PVC	150°F
	POLYPROPYLENE	150°F

NOTES: Maximum temperature at standard vessel design pressure.
For higher temperatures consult Rosedale Products, Inc.

INDEX

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	GASKET MATERIALS				FILTER MEDIA			HOUSING MATERIALS				
	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Acetaldehyde	●	●	●	●	●	●	●	●	●	●	●	120
Acetamide	●	●	●	●	●	●	●	○	○	○	○	○
Acetic Acid 5%	●	●	●	●	200	●	200	●	●	●	70	●
Acetic Acid 50%	●	●	●	●	200	●	70	●	●	●	70	●
Acetic Acid 80%	●	●	●	●	200	●	70	●	●	●	70	●
Acetic Acid 100%	●	●	●	●	200	150	70	●	●	●	70	●
Acetic Anhydride	●	●	●	●	○	●	○	●	●	●	●	●
Acetone	●	●	●	●	★	80	●	●	●	●	●	70
Acetophenone	●	●	●	●	●	●	●	200	●	●	○	●
Acetyl Chloride	●	●	●	●	●	●	●	●	●	●	○	●
Acetylene	●	●	●	●	○	●	●	●	●	●	70	○
Acrylic Acid	○	○	●	●	70	150	●	●	○	●	○	●
Acrylonitrile	●	●	70	●	70	70	70	●	●	●	○	70
Adipic Acid	○	○	○	○	○	●	●	●	●	●	70	○
Air-Compressed	●	●	●	●	●	●	●	●	●	●	70	●
Aluminum Acetate	●	●	●	●	○	70	○	●	●	●	70	○
Aluminum Ammonium Sulfate	○	○	○	○	○	●	○	○	○	○	○	●
Aluminum Chloride 5%	●	●	●	●	70	200	70	●	●	●	70	●
Aluminum Fluoride 5%	●	●	●	●	○	70	○	●	●	●	70	70
Aluminum Hydroxide	●	○	●	●	●	70	●	●	●	●	70	70
Aluminum Nitrate	●	●	●	●	○	70	○	●	●	●	70	70
Aluminum Sulfate	●	●	●	●	70	180	70	●	●	●	70	●
Amino Acids	○	○	●	●	○	○	○	○	●	●	○	○
Ammonia Gas (Dry)	70	●	●	○	150	20	○	●	●	●	70	●
Ammonium Bicarbonate	●	●	●	●	○	70	○	●	●	●	○	○
Ammonium Bromide 10%	●	●	●	●	○	○	○	○	○	●	○	○
Ammonium Carbonate 10%	●	●	●	●	●	180	●	●	●	●	70	●
Ammonium Chloride 10%	●	●	●	●	70	180	●	●	●	●	70	●
Ammonium Fluoride 10%	●	●	○	●	○	70	○	○	●	●	70	70
Ammonium Hydroxide 30%	●	●	●	●	70	200	100	●	●	●	70	●
Ammonium Nitrate 5%	●	●	●	●	70	●	●	●	●	●	70	●
Ammonium Phosphate	●	●	●	●	○	140	○	●	●	●	70	●
Ammonium Sulfate 5%	●	●	●	●	70	170	○	●	●	●	70	70
Ammonium Thiocyanate	●	●	○	●	70	○	70	●	●	●	70	○
Amyl Acetate	●	●	●	●	●	70	70	○	○	○	○	●
Amyl Alcohol	●	●	●	●	70	70	70	●	●	●	70	●
Aniline	●	●	160	●	70	180	70	●	●	●	●	●
Aqua Regia	●	●	●	●	●	75	●	●	●	●	70	●
Arsenic Acid	●	●	●	●	○	●	●	●	●	●	70	●

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	GASKET MATERIALS				FILTER MEDIA			HOUSING MATERIALS				
	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Asphalt	●	●	●	●	○ 70	○		●	●	●	○	○
Aviation Fuel	●	●	●	●	70	80	●	●	●	●	○	●
Banana Oil	●	●	●	●	70	●	70	●	●	●	●	70
Barium Carbonate	●	●	●	●	●	70	●	●	●	●	70	○
Beer	●	●	●	●	○	●	○	●	●	●	70	○
Beet Sugar Liquors	●	●	●	○	●	○	●	●	●	●	70	○
Benzene	●	●	70	●	●	●	●	●	●	●	●	●
Bromine (Dry)	●	●	●	●	●	70	●	●	●	●	●	○
Bromine (Wet)	●	●	●	●	●	●	●	●	●	●	80	○
Butane	●	●	●	●	250	70	●	●	●	●	70	○
Butanoic Acid	○	○	○	○	○	○	●	○	●	●	○	○
Butyl Acetate	●	●	●	●	●	200	●	●	●	●	70	○
Butyl Alcohol	●	●	●	●	100	●	●	●	●	●	70	●
Butyl Cellosolve	●	●	●	○	○	70	○	○	●	●	○	○
Butyl Chloride	○	○	○	○	○	○	○	●	●	●	○	○
Butylene	●	●	●	●	○	○	70	●	○	●	○	○
Butyric Acid	●	●	●	●	●	●	●	●	●	●	●	●
Calcium Chloride	●	●	●	200	●	●	●	●	●	●	70	●
Calcium Hydroxide 5%	●	●	●	●	100	200	●	●	●	●	70	●
Calcium Hypochlorite	●	●	●	●	●	200	●	●	●	●	70	●
Cane Sugar Liquors	●	●	●	●	●	●	●	●	●	●	70	●
Carbolic Acid (Phenol)	●	●	●	●	●	70	●	●	●	●	70	●
Carbon Dioxide (Dry)	●	●	●	●	○	●	100	●	●	●	●	●
Carbon Disulfide	●	●	●	●	70	●	70	●	●	●	●	●
Carbon Tetrachloride	●	●	●	●	●	100	●	●	●	●	80	70
Carbonated Water	●	●	●	●	○	●	100	●	●	●	70	●
Carbonic Acid	●	●	●	●	○	●	100	●	●	●	70	70
Castor Oil	●	●	●	●	○	●	○	●	●	●	70	●
Caustic Potash	●	●	●	●	○	●	●	☆	●	●	70	●
Caustic Soda	●	●	●	●	○	●	●	100	●	●	70	●
Cellosolve	●	●	●	○	○	70	○	100	○	100	70	○
Chloroacetic Acid	●	●	●	●	●	70	●	●	●	●	70	●
Chlorine Gas (Dry)	●	●	●	●	○	●	●	70	●	●	80	●
Chlorine Gas (Wet)	●	●	●	●	○	●	●	●	●	●	80	●
Chlorobenzene	●	●	●	●	200	●	200	●	●	●	●	70
Chloroform (Dry)	●	●	●	●	70	70	●	●	●	●	●	●
Chromic Acid	●	●	●	●	●	80	●	●	●	●	80	80
Cider	●	●	●	●	○	●	○	●	●	●	70	●

INDEX

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	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Citric Acid	●	●	●	●	●	●	●	●	●	70	●	●
Cod Liver Oil	●	●	●	●	○	●	○	●	●	70	●	●
Coffee Extract	●	○	●	●	○	●	○	●	●	●	●	●
Cola Syrup	○	○	○	●	70	70	70	○	●	●	○	70
Copper Sulfate	●	●	●	●	70	●	●	●	●	70	●	●
Corn Oil	●	●	●	●	○	100	●	●	●	70	70	●
Cottonseed Oil	●	●	●	●	●	100	●	●	●	70	70	●
Creosol	○	●	●	●	●	●	●	○	○	○	○	○
Creosote	●	●	●	●	○	●	○	●	●	70	●	●
Cresylic Acid	●	●	●	●	●	●	●	○	○	70	●	●
Cyclohexane	●	●	●	●	200	●	○	●	●	●	●	●
Cyclohexanol	○	○	○	○	○	150	○	○	○	○	○	○
Cyclohexamine	●	●	●	●	200	●	●	70	○	70	●	●
DDT Solution	○	○	●	●	○	●	○	○	●	●	○	●
Dextrose	●	●	●	●	○	●	○	●	●	70	70	●
Diacetone Alcohol	●	●	●	●	○	70	○	●	●	●	●	●
Dibutyl Phthalate	●	●	●	●	○	70	○	●	●	●	○	●
Dichloroethane	●	●	●	●	○	●	○	○	●	●	○	○
Dichloroethylene	○	○	○	●	○	70	70	●	○	○	○	●
Diesel Fuel	●	●	●	●	○	120	●	●	●	70	120	●
Diethanolamine	●	●	●	●	●	●	●	○	○	○	○	●
Diethylene Glycol	●	●	●	●	●	●	●	●	●	○	○	●
Dimethyl Formamide	●	○	○	200	200	200	200	○	70	70	○	●
Diphenyl Oxide	●	●	●	●	○	70	○	●	●	●	○	70
Dowtherm	●	●	●	●	○	70	○	●	●	●	○	70
Epichlorohydrin	●	●	●	●	●	120	●	●	○	●	○	120
Ethanol	●	●	●	●	●	●	●	●	●	○	○	●
Ethanolamine	●	●	●	●	○	70	○	●	●	●	○	70
Ether	●	●	●	●	95	●	●	●	●	●	●	●
Ethyl Acetate	●	●	●	●	●	120	●	●	●	●	●	120
Ethyl Cellulose	●	●	●	●	○	70	○	●	●	●	○	70
Ethyl Chloride (Dry)	●	●	●	●	○	●	○	200	●	●	●	●
Ethylene Diamine	●	●	●	●	○	70	70	70	●	70	○	70
Ethylene Glycol	●	●	●	●	●	●	70	●	●	70	●	●
Ethylene Oxide	●	●	●	●	○	●	○	●	●	●	●	●
Fatty Acids	●	●	●	●	●	●	●	●	●	70	●	●
Ferric Chloride 1%	●	●	●	●	200	●	●	●	●	70	●	●

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Ferric Chloride	●	●	●	●	200	○	●	●	●	●	70	70
Ferric Nitrate	●	●	●	●	70	○	○	○	○	●	70	○
Ferric Sulfate 5%	●	●	●	●	70	●	70	●	●	●	70	●
Ferrous Chloride	●	○	○	●	70	●	70	●	○	70	○	●
Fish Oils	●	○	○	●	○	70	○	●	●	●	70	●
Fluosilicic Acid	●	●	●	●	○	70	○	●	○	●	70	●
Formaldehyde 10%	80	●	●	●	●	●	●	●	●	●	70	●
Formalin 40%	●	●	●	●	○	●	○	●	●	●	70	70
Formic Acid (Dilute)	●	●	●	●	●	●	●	●	●	●	70	●
Formic Acid (Conc.)	●	●	●	○	70	●	●	●	●	●	○	○
Freon 12	●	●	●	●	○	●	100	●	●	●	●	●
Freon 22	●	●	●	●	○	●	100	●	●	●	●	●
Fruit Juices	●	○	●	●	○	70	○	●	●	●	70	70
Fuel Oils	●	●	●	●	●	70	●	●	●	●	70	70
Furfural	●	●	●	●	○	70	○	●	●	●	●	●
Gas-Natural	●	●	●	●	●	70	●	●	●	●	70	70
Gasoline-Sour	●	●	●	●	○	●	70	●	●	●	80	●
Gasoline-Motor	●	●	●	●	○	●	●	●	●	●	80	●
Gasoline-Aviation	●	●	●	●	○	●	●	●	●	●	80	●
Gelatin	●	●	●	●	●	●	●	●	●	●	70	70
Glucose	●	●	●	●	○	●	○	●	●	●	70	70
Glycerine-Glycerol	●	●	●	●	●	●	●	●	●	●	70	70
Glycol	●	●	●	●	●	●	●	●	●	●	70	●
Glycol Monoether	●	●	●	●	○	70	○	○	●	●	70	70
Grease	●	●	●	●	○	●	○	●	●	●	70	●
Green Sulfate Liquor	●	●	●	●	○	70	●	●	●	●	○	○
Gum Arabic	○	●	○	●	○	○	○	○	●	○	○	○
Helium	●	●	●	●	●	●	●	●	●	●	○	70
Hexane	●	●	●	●	●	70	●	●	●	●	80	70
Honey	●	●	●	●	○	○	○	○	●	●	○	○
Hydraulic Oil-Petroleum Base	●	●	●	●	●	70	●	●	●	●	70	70
Hydraulic Oil-Phosphate Ester	●	●	●	●	●	70	●	●	●	●	○	70
Hydrazine	●	●	●	●	○	○	○	○	○	●	○	○
Hydrobromic Acid 10%	●	●	●	●	70	150	●	●	●	●	70	●
Hydrobromic Acid 50%	●	●	●	●	○	150	●	●	●	●	70	●
Hydrochloric Acid 5%	160	●	●	●	●	●	●	●	●	●	●	●

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	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Hydrochloric Acid 30%	70	70	70	●	●	●	●	●	●	●	●	70
Hydrocyanic Acid 5%	●	●	●	●	○	70	○	●	●	●	70	70
Hydrocyanic Acid	●	●	●	●	○	70	○	●	●	●	70	70
Hydrofluoric Acid 10%	80	70	○	●	●	●	●	●	●	●	80	●
Hydrofluoric Acid 50%	○	○	●	●	○	70	●	●	●	●	○	70
Hydrogen Gas	●	●	●	●	○	●	○	●	●	●	70	●
Hydrogen Peroxide 5%	●	●	●	●	●	150	●	●	●	●	70	140
Hydrogen Peroxide 30%	●	●	●	●	●	70	●	●	●	●	70	70
Hydrogen Sulfide (Dry)	70	●	●	●	○	70	○	●	●	●	80	70
Hydrogen Sulfide (Wet)	●	●	●	●	○	●	○	●	●	●	70	●
Hydroquinone	●	●	●	●	70	70	○	○	●	●	70	70
Insulating Oil	●	●	●	●	○	○	○	●	●	●	○	○
Iodine	●	●	●	●	●	●	●	●	●	●	●	70
Isopropyl Acete	●	●	●	●	○	○	○	○	○	●	○	○
Isopropyl Alcohol	●	●	●	●	70	●	○	●	●	●	70	●
Kerosene	●	●	●	●	●	70	●	●	●	●	70	70
Ketchup	●	○	●	●	○	70	○	○	●	●	○	70
Lactic Acid	70	70	●	●	70	●	70	○	●	●	70	●
Lard Oil	●	●	●	●	●	80	●	●	●	●	70	80
Latex (Natural)	●	○	●	●	○	70	○	●	●	●	○	70
Lead Acetate	●	●	●	●	●	●	●	●	●	●	70	70
Lime-Sulfur	●	●	●	●	○	70	○	○	●	●	○	70
Linoleic Acid	●	●	●	●	○	●	●	●	●	●	70	●
Linseed Oil	●	●	●	●	●	●	●	●	●	●	70	100
Lithium Bromide	○	○	○	●	○	70	○	●	○	●	○	70
Lithium Carbonate	●	○	○	●	○	70	○	○	○	○	○	70
Lithium Chloride	●	●	○	○	●	●	●	●	●	●	○	70
Lithium Hydroxide	●	●	○	○	○	●	●	●	●	○	●	●
Lube Oil	●	●	●	●	○	70	●	●	●	●	70	70
Lye	●	●	●	●	●	●	●	130	●	●	70	●
Magnesium Chloride	●	●	●	●	70	180	70	●	●	●	70	●
Magnesium Hydroxide	●	●	●	●	○	●	○	●	●	●	70	●
Magnesium Sulfate	●	●	●	●	○	180	○	●	●	●	70	70
Mayonnaise	●	○	●	●	○	70	○	●	●	●	○	70
Melamine Resins	●	○	●	●	○	70	○	○	●	●	○	70
Mercuric Chloride 10%	●	●	●	●	70	70	○	●	●	●	70	70
Mercurous Nitrate	●	●	○	●	○	70	○	●	●	●	70	70

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Mercury	●	●	●	●	70	70	70	●	●	●	70	70	
Methane	●	●	●	●	○	70	○	●	●	●	70	70	
Methylene Chloride	●	●	●	●	100	●	100	100	150	212	●	●	
Methyl Alcohol	●	●	●	●	●	70	●	●	●	●	70	●	
Methyl Acetate	●	●	●	●	○	70	○	●	●	●	○	70	
Methyl Cellosolve	●	●	●	●	○	70	○	●	●	●	●	70	
Methyl Ethyl Ketone	●	●	●	●	70	●	●	●	●	●	●	70	
Milk	●	●	●	●	●	●	●	●	●	●	●	●	
Mineral Oil	●	●	●	●	○	70	○	●	●	●	70	70	
Molasses	●	●	●	●	200	70	200	●	●	●	70	70	
Monoethanolamine	●	●	●	●	○	70	○	●	●	●	○	70	
Mustard	●	○	●	●	○	70	○	●	●	●	○	70	
Naptha	●	●	●	●	200	70	200	●	●	●	70	70	
Napthalene	●	●	●	●	70	70	70	●	●	●	●	●	
Nickel Chloride	●	●	●	●	70	200	●	●	●	●	70	100	
Nickel Sulfate	●	●	●	●	○	●	●	●	●	●	70	●	
Nitric Acid 10%	●	●	70	●	●	210	●	●	●	●	70	100	
Nitric Acid 20%	●	●	70	●	●	180	●	●	●	212	70	70	
Nitric Acid 50%	●	●	70	●	●	70	●	●	●	212	212	70	70
Nitric Acid Fuming	●	●	●	●	●	●	●	●	125	125	●	●	
Nitrobenzene 10%	●	●	●	●	200	●	200	●	●	●	●	●	
Nitrobenzene	●	●	●	●	200	●	200	●	●	●	●	●	
Nitrogen	●	●	●	●	●	●	●	●	●	●	○	●	
Nitrous Oxide	●	○	○	●	○	○	○	●	●	●	70	70	
Oil, Crude	●	●	●	●	●	70	●	●	●	●	70	70	
Oleic Acid 5%	●	●	●	●	○	180	●	●	●	●	70	70	
Oleic Acid	●	●	●	●	150	120	●	●	●	●	●	●	
Oleum	●	●	●	●	○	●	●	●	●	●	●	●	
Olive Oil	●	●	●	●	○	70	○	●	●	●	70	70	
Oxalic Acid 5%	●	●	●	●	●	180	70	○	●	●	70	●	
Palm Oil	●	○	●	●	○	70	○	●	●	●	○	70	
Pentane	●	●	●	●	○	70	●	●	●	●	80	70	
Perchloroethylene (Dry)	●	●	●	●	200	●	200	●	●	●	70	●	
Petroleum Ether	●	●	●	●	●	70	●	●	●	●	70	70	
Petroleum Oil-Refined	●	●	●	●	●	70	●	●	●	●	70	70	
Petroleum Oil-Sour	●	●	●	●	●	70	●	●	●	●	70	70	
Phenol	●	●	●	●	●	190	●	●	●	●	70	●	

INDEX

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	GASKET MATERIALS				FILTER MEDIA			HOUSING MATERIALS				
	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Phenol-Formaldehyde Resin	○	●	○	●	○	○	○	●	●	●	○	○
Phosphoric Acid 1%	●	●	●	●	210	210	●	● 212	●	70	●	●
Phosphoric Acid 10%	●	●	●	●	210	210	70	● 212	●	70	●	●
Phosphoric Acid 50%	70	●	●	●	●	180	●	● 212	●	70	●	●
Phosphoric Acid 80%	70	●	●	●	●	180	●	●	●	● 70	●	●
Picric Acid (H ₂ O Sol'n.)	●	●	●	●	○	120	○	●	●	●	●	120
Pine Oil	●	●	●	●	70	70	70	●	●	●	○	70
Plating Solutions												
-Arsenic	●	●	●	●	○	150	○	●	○	●	○	150
-Brass Cyanide	●	●	○	●	○	●	○	●	●	○	70	●
-Bronze Cyanide	●	●	●	●	○	70	○	●	○	○	70	70
-Cadmium Cyanide	●	●	●	●	○	●	○	●	●	●	70	●
-Cadmium Fluoborate	●	●	●	●	○	70	○	○	●	●	70	70
-Copper Cyanide	●	●	●	●	○	●	○	●	●	●	70	●
-Gold Cyanide	●	●	●	●	○	●	○	○	●	●	●	●
-Iron Chloride	●	●	●	●	○	●	●	○	●	●	●	●
-Iron Sulfate	●	●	●	●	○	140	140	●	○	●	●	140
-Lead Alkali	●	●	●	●	○	●	●	●	○	●	70	●
-Lead Fluoborate	●	●	●	●	○	○	100	○	●	●	70	○
-Nickel Bright Chloride	●	●	●	●	○	70	○	○	●	●	70	70
-Nickel Dull Chloride	○	●	●	●	○	○	○	○	●	●	70	○
-Nickel Dull Fluoborate	●	●	●	●	○	●	170	○	○	●	●	●
-Silver	●	●	●	●	○	80	○	●	●	●	70	80
-Tin Acid	●	●	●	●	○	70	70	○	○	○	80	70
-Tin Fluoborate	●	●	●	●	○	100	100	○	●	●	80	100
-Zinc Cyanide	●	●	●	●	○	100	○	●	●	●	70	100
-Zinc Fluoborate	○	●	●	●	○	○	130	○	○	●	70	○
Potassium Acetate 10%	●	●	●	●	○	70	○	●	●	●	○	70
Potassium Bisulfate 10%	○	○	○	●	●	70	●	○	●	●	○	70
Potassium Carbonate 10%	●	●	●	●	●	180	●	●	●	●	●	●
Potassium Chloride 5%	●	●	●	●	70	180	○	●	●	●	70	●
Potassium Chromate 10%	●	●	●	●	○	70	○	○	●	●	70	70
Potassium Cyanide 5%	●	●	●	●	○	●	●	●	●	●	70	●
Potassium Ferrocyanide 10%	●	●	●	●	○	70	○	●	●	●	70	70
Potassium Permanganate 5%	●	●	●	●	●	150	●	●	●	●	70	70
Potassium Sulfate 5%	●	●	●	●	120	180	120	●	●	●	70	●
Propane	●	●	●	●	250	100	200	●	●	●	80	100
Propionic Acid	○	●	○	●	●	70	●	●	●	●	○	70
Propylene Glycol	●	●	●	●	●	70	●	●	●	●	○	70

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	Buna N	Ethylene Propylene	Viton	Teflon® Fluorocarbon	Polyester	Polypropylene	Nylon	Carbon Steel	304 Stainless Steel	316 Stainless Steel	PVC	Polypropylene
Propylene Oxide	●	●	●	●	○	70	○	○	○	○	○	70
Pyridine	●	●	●	○	●	●	●	●	●	○	○	●
Sea Water	●	●	●	●	210	●	240	●	●	●	●	●
Shellac	●	●	○	●	○	70	○	●	●	●	○	70
Silver Nitrate	●	●	●	●	●	●	●	●	●	●	70	●
Soda Ash	●	●	●	●	70	70	●	●	●	●	70	70
Sodium Acetate	●	●	●	●	●	●	●	●	●	●	70	●
Sodium Bicarbonate	●	●	●	●	○	●	○	●	●	●	70	●
Sodium Bisulfate	●	●	●	●	70	150	●	●	●	●	70	70
Sodium Bisulfite	●	●	●	●	●	180	●	●	○	100	○	70
Sodium Borate	●	●	●	●	○	70	○	●	●	●	70	70
Sodium Carbonate	●	●	●	●	●	●	●	●	●	●	70	70
Sodium Chlorate	●	○	●	●	○	180	○	○	●	●	70	120
Sodium Chloride 10%	●	●	●	●	●	●	●	●	●	●	70	●
Sodium Cyanide	●	●	●	●	●	●	●	●	●	●	70	●
Sodium Fluoride 5%	●	●	●	●	○	70	○	●	●	●	70	●
Sodium Hydroxide 5%	●	●	●	●	70	●	●	●	●	●	70	70
Sodium Hydroxide 20%	●	●	●	●	●	●	●	●	●	●	70	70
Sodium Hydroxide 40%	●	●	●	●	●	●	●	●	●	●	70	70
Sodium Hypochlorite 5%	●	●	●	●	●	120	●	●	●	●	70	70
Sodium Metaphosphate	●	●	●	●	○	70	○	●	●	●	70	70
Sodium Nitrate 5%	●	●	○	●	70	180	70	●	●	●	70	70
Sodium Perborate 1%	●	●	●	●	160	180	○	●	●	●	70	●
Sodium Peroxide	●	●	●	●	●	70	○	●	●	●	70	70
Sodium Phosphate	●	●	●	●	70	180	●	●	●	●	120	●
Sodium Polysulfide	○	○	○	●	○	○	○	○	●	●	○	○
Sodium Silicate	●	●	●	●	○	180	○	●	●	●	70	●
Sodium Sulfate	●	●	●	●	70	180	70	●	●	●	70	●
Sodium Sulfide	●	●	●	●	●	180	●	●	●	●	●	●
Sodium Thiosulfate	○	○	○	●	70	70	70	●	●	●	70	70
Soybean Oil	●	●	●	●	70	180	○	●	●	●	70	●
Stannic Chloride 5%	●	●	●	●	○	100	●	●	●	●	70	100
Stannous Chloride 5%	●	●	●	●	70	70	70	●	●	●	70	70
Starch	●	●	●	●	○	●	○	●	●	●	70	70
Steam	○	●	○	●	○	220	240	●	●	●	●	●
Steacates	●	●	●	●	○	●	●	●	●	●	70	●
Stearic Acid	●	●	○	●	○	●	●	●	●	●	70	●
Stoddard Solvent	●	●	●	●	70	70	70	●	●	●	●	70

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Sucrose Solutions	●	●	●	●	○	●	○	●	●	70	70	70
Sulfate Liquors	●	●	●	●	○	70	●	○	●	70	●	70
Sulfur Dioxide (Dry)	●	●	●	●	○	●	●	●	●	70	●	70
Sulfur Trioxide (Dry)	●	●	●	●	○	●	●	●	●	70	●	70
Sulfuric Acid 5%	●	●	●	●	150	●	●	●	●	70	●	70
Sulfuric Acid 50%	●	●	●	●	70	180	●	●	●	70	70	70
Sulfuric Acid 96%	●	●	●	●	●	70	●	●	●	70	●	70
Sulfuric Acid Fuming	●	●	●	●	●	●	●	●	●	70	●	70
Sulfurous Acid	●	●	●	●	○	●	●	●	●	70	●	70
Tannic Acid 10%	●	●	●	●	70	●	70	●	●	70	●	70
Tartaric Acid	●	●	●	●	○	150	○	●	●	70	70	70
Tetrachlorethylene (Dry)	●	●	●	●	○	●	212	●	●	70	●	70
Tetrachloroethane	●	●	●	○	70	70	70	75	●	70	70	70
Tetrahydrofuran	●	●	●	●	○	70	100	●	●	70	●	70
Toluene	●	●	●	●	70	120	●	●	●	70	●	120
Transformer Oil	●	●	●	●	○	120	○	●	●	70	120	120
Trichloroethylene (Dry)	●	●	●	●	70	●	70	●	●	70	●	70
Triethanolamine	●	●	●	●	70	70	○	●	●	70	●	70
Trisodium Phosphate	●	●	○	●	70	120	70	○	●	70	120	120
Tung Oil	●	●	●	●	○	70	○	●	●	70	○	70
Turpentine	●	●	●	●	70	70	●	●	●	80	70	70
Urea-Formaldehyde Resin	○	○	○	●	○	○	○	●	○	○	○	○
Vanilla Extract	○	○	○	●	○	●	○	○	●	○	70	70
Varnish	●	●	●	●	○	●	●	●	●	○	●	70
Vegetables Oils	●	●	●	●	○	100	●	●	●	○	100	100
Vinegar	●	●	●	●	○	150	●	●	●	70	●	70
Water-Fresh	●	●	●	●	210	●	240	●	●	70	●	70
Water-Salt	●	●	●	●	210	●	240	●	●	70	●	70
Waxes	○	○	●	●	○	70	○	●	●	○	●	70
Whiskey	●	●	●	●	○	70	●	●	●	70	70	70
Wine	●	●	●	●	○	70	●	●	●	70	70	70
Xylene	●	●	●	●	●	●	●	●	●	●	●	70
Zinc Bromide	●	○	○	●	○	●	●	○	○	●	○	70
Zinc Cyanide	●	○	○	○	○	●	●	●	○	○	○	70
Zinc Sulfate	●	●	●	●	●	●	●	●	●	70	●	70