




## KEY

-  Recommended
-  Not Recommended
-  No Data Available
- 100** Max Temp Rating (°C)
-  Testing Recommended

*This chart has been compiled using many sources, all believed to be reliable. However, the information and accuracy of these ratings cannot be guaranteed*

	Nylon	Polypropylene	Polyester	304 Stainless Steel	316L Stainless Steel	Buna-N	Viton	FEP Encapsulated Viton	EPDM
Acetaldehyde	100	✓	21	✓	✓	✗	✗	149	✓
Acetic Acid, 5-20%	✗	✓	✓	✓	100	✗	✓	149	✓
Acetic Acid, 50%	✗	✓	✓	✗	100	100	✓	149	✓
Acetic Acid, 80%	✗	✓	✓	✗	100	+	✓	149	✓
Acetone	52	✓	✗	✓	✓	✗	✗	149	✓
Acetyl Chloride	✗	✗	+	✓	✓	✗	✓	149	✗
Acrylic Acid	+	✗	+	✓	✓	✗	+	50	✓
Arylonitrile	21	21	21	✓	✓	✗	✗	149	✗
Aluminum Chloride, 5%	21	✓	✓	+	✗	✓	✓	149	✓
Aluminum Fluoride	21	✓	+	✗	✗	✓	✓	149	+
Aluminum Hydroxide	21	✓	21	✓	100	+	✓	149	+
Ammonium Bicarbonate	+	✓	+	+	✓	✓	+	93	✓
Ammonium Chloride, 10%	✗	✓	27	✗	+	✓	✓	149	+
Ammonium Fluoride, 40%	21	+	+	✗	✗	✓	+	149	+
Ammonium Hydroxide	21	93	✗	✓	21	+	✓	149	✓
Ammonium Sulfate	21	✓	27	✓	✓	✓	+	149	✓
Aniline	+	✗	✗	✓	✓	✗	✗	185	✗
Beer	21	✓	+	✓	✓	✗	✓	149	✓
Beet Sugar Liquors	21	127	+	+	+	✓	✓	149	+
Benzene	21	✗	27	✓	✓	✗	✓	149	✗
Butanoic Acid (Butyric Acid)	+	127	+	✓	+	+	+	149	+
Butanol (Butyl Alcohol)	21	✓	21	✓	✓	✓	✓	149	✓
Butyl Acetate	21	+	21	+	✓	✗	✗	149	+
Butylene	+	✗	+	✓	✓	✗	+	+	✗
Calcium Chloride	21	✓	27	✗	✗	✓	✓	149	✓
Calcium Hydroxide	21	✓	✗	✓	✓	✓	✓	149	✓
Calcium Hypochlorite (20%)	✗	✓	21	✗	✗	✗	+	149	+
Cane Sugar Liquors	21	✓	+	+	+	✓	+	149	+
Carbolic Acid, Phenol	✗	60	✗	✓	✓	+	+	+	+
Carbonated Water	21	60	21	✓	✓	+	✓	21	+
Caulic Soda (50%)	✗	✓	UP TO 10% TO 27	21	✓	✓	21	✓	✓
Chloroacetic acid	✗	✗	✗	✗	✓	✗	✗	149	+
Chlorobenzene	21	✗	✗	+	✓	✗	✓	149	✗
Chloroform	✗	✗	+	100	100	✗	✓	149	✗
Chromic Acid over 25%	✗	✓	UP TO 50% TO 21	✗	✓	✗	✓	149	✗
Chromic Acid to 25%	✗	✓	21	✗	✓	✗	✓	149	✓
Cider	+	127	+	✓	✓	+	✓	50	+
Citric Acid	UP TO 10% TO 21	✓	27	✓	150	✓	✓	149	✓
Copper Sulfate	+	✓	21	✓	✓	✓	✓	149	✓
Corn Oil	21	✓	21	+	+	✓	+	149	+
Cresote, Coal tar Oil	+	✗	+	+	+	+	+	21	+
Cresote, Wood oil	+	✗	+	+	+	+	+	21	+
Cresols	✗	✗	+	✓	✓	✗	✓	✓	✗
Cresylic Acid	✗	✗	UP TO 50% TO 27	✓	✓	✗	✓	149	+
Cyclohexane	21	✗	✗	✓	✓	✓	✓	149	✗
Cyclohexanol	21	+	21	✓	✓	✗	✓	149	✗
Cyclohexanone	21	✗	21	✓	✓	✗	✗	312	✗
Dichloroethane	+	✗	+	✓	✓	✗	+	+	✗
Dichloroethylene	21	✗	21	✓	✓	✗	✓	149	✗
Diesel Fuel	21	100	+	✓	✓	✗	✓	149	✗
Diethylene Glycol	21	✓	UP TO 90% TO 21	✓	✓	✓	✓	52	✓
Dimethyl Formamide (DMF)	21	✓	+	✓	✓	✗	✗	309	✓
Ethanol (Ethyl Alcohol)	21	✓	21	✓	✓	100	✓	✓	✓
Ether (Ethyl Ether)	21	✗	21	✓	✓	✗	✗	149	✗
Ethyl Acetate - Organic ester	50	✗	21	✓	✓	✗	✗	149	+
Ethyl Chloride (Chloroethane)	+	✗	✗	✓	✓	✓	✓	149	✓
Ethylene Glycol	21	✓	27	✓	✓	✓	✓	149	✓
Fatty Acids	+	✓	+	✓	✓	✗	✓	149	+
Ferric Chloride	UP TO 5% TO 21	✓	27	✗	✗	✓	✓	149	✓
Ferric Nitrate 5%	+	✓	+	✓	✓	✓	✓	149	✓
Ferric Sulfate 5%	✗	✓	21	+	✓	✓	✓	149	✓
Ferrous Chloride	+	✓	27	✗	✗	✓	✓	149	✓
Fish Oils	+	✓	+	+	+	✓	+	93	+
Formaldehyde	21	✓	UP TO 40% TO 27	✓	✓	+	+	149	✓
Formic Acid (Conc.)	✗	52	+	✗	✓	+	✗	149	✓
Formic Acid (3%)	✗	60	21	✓	✓	+	+	149	+
Formic Acid (10%)	✗	60	✗	✓	✓	+	+	149	✓
Fruit Juices	21	✓	21	✓	✓	+	✓	149	+
Fuel Oils	21	21	21	+	+	+	+	149	+
Gelatin	21	✓	27	✓	✓	✓	✓	149	+
Glucose (Corn Syrup)	21	✓	21	✓	✓	✓	✓	149	✓
Glycerine (Glycerol)	52	✓	21	✓	✓	✓	✓	149	+
Glycols	21	✓	21	✓	✓	✓	✓	149	✓
Gum Arabic	+	+	+	+	+	+	+	+	+
Hexane	21	✗	21	✓	✓	✓	✓	149	✗
Honey	+	✓	+	✓	✓	+	+	+	+
Hydrazine (Diamine)	+	21	+	+	✓	+	100	+	✓
Hydrobromic Acid	✗	+	+	+	✗	✗	✓	149	+
Hydrofluoric Acid, 10%	✗	✓	✗	✓	100	+	✓	149	+
Hydrofluoric Acid, 50%	✗	✓	✗	✓	100	✗	✓	149	✗
Hydrogen Peroxide (5%)	✗	✓	+	✓	✓	✗	100	149	+
Hydrogen Peroxide (30%)	✗	✓	+	+	✓	+	100	149	+
Hydrogen Sulfide Gas, Wet	+	127	+	✗	✓	✗	✗	149	✓

	Nylon	Polypropylene	Polyester	304 Stainless Steel	316L Stainless Steel	Buna-N	Viton	FEP Encapsulated Viton	EPDM
Isopropyl Acetate	50	100	+	✗	✓	✗	✗	52	+
Kerosene (Similar to RP-1 and JP-1)	50	27	93	+	✓	✓	✓	149	✗
Latex	+	✓	+	+	✓	✓	✓	21	✓
Lead Acetate	27	✓	27	+	✓	+	✗	149	✗
Lubricating Oils, Di-ester	21	60	+	+	+	✗	+	+	+
Lubricating Oils, SAE 10	21	21	27	+	+	✓	+	149	+
Lubricating Oils, SAE 20	21	21	27	+	+	✓	+	149	+
Lubricating Oils, SAE 30	21	21	27	+	+	✓	+	149	+
Lubricating Oils, SAE 40	21	21	27	+	+	✓	+	149	+
Lubricating Oils, SAE 50	21	21	27	+	+	✓	+	149	+
Lubricating Oils, SAE 60	+	+	+	+	+	+	+	+	+
Lubricating Oils, SAE 21	+	+	+	+	+	+	+	+	+
Lye Solutions	+	60	+	+	+	+	+	149	+
Magnesium Chloride	21	✓	21	✗	100	✓	✓	149	✓
Magnesium Hydroxide	21	✓	21	✓	✓	✗	✓	149	✓
Magnesium Sulfate	21	✓	27	✓	✓	✓	✓	149	✓
Methyl Acetate	+	21	21	✓	✓	✗	✗	50	✗
Methyl Chloride	21	✗	✗	✓	✓	✗	✓	149	✗
Methyl Ethyl Ketone (MEK/Butanone)	52	✗	✗	✓	✓	✗	✗	149	✓
Methylene Chloride	✗	✗	✗	✓	✓	✗	✓	149	✗
Milk	60	✓	21	✓	✓	✓	✓	149	+
Mineral Oils	121	✓	21	✓	✓	✓	✓	356	✗
Nickel Chloride	✗	✓	✗	✗	100	✓	✓	149	✓
Nickel Sulfate	21	✓	27	✓	✓	✓	✓	149	✓
Nitric Acid (Red Fuming)	✗	✗	✗	✓	100	✗	+	149	✗
Nitric Acid (10%)	✗	✓	21	✓	✓	✗	✓	149	+
Nitric Acid (20%)	✗	✓	21	✓	✓	✗	✓	149	+
Nitric Acid (50%)	✗	21	+	✓	100	✗	✓	149	✗
Nitrobenzene	✗	21	✗	✓	✓	✗	✓	✓	✗
Oleum (Fuming Sulfuric Acid)	✗	✗	✗	✓	✓	✗	✓	✓	✗
Olive Oil	+	✓	+	✓	✓	✓	✓	+	+
Palm Oil	21	21	+	+	+	+	✓	21	+
Perchloroethylene	21	100	+	✓	✓	+	✓	149	+
Petroleum Ether	21	✗	21	✓	✓	✓	✓	149	✗
Petroleum Oil, Above 2500F	+	100	+	+	+	✓	21	+	+
Petroleum Oil, Below 2500F	+	100	+	+	+	✗	+	+	+
Phenol, 21%/30% H2O	+	54	✗	+	+	+	+	+	+
Phenol, 85%/15% H2O	+	54	✗	+	+	+	+	+	+
Phosphoric Acid (Conc.)	✗	✓	+	✓	100	✗	✓	149	+
Phosphoric Acid (10%)	✗	✓	21	✓	100	✓	✓	149	✓
Phosphoric Acid (50%)	✗	✓	21	✓	100	✗	✓	149	+
Phosphoric Acid (80%)	✗	✓	21	✓	100	✗	✓	149	+
Potassium Carbonate	21	✓	27	+	✓	✓	✓	149	✓
Potassium Chloride	21	✓	27	✓	100	✓	✓	149	✓
Potassium Sulfate (10%)	21	✓	+	✓	✓	✓	✓	149	✓
Propionic Acid	+	✓	+	+	✓	✗	✓	50	✓
Propylene Glycol	+	✓	+	✓	✓	✓	✓	+	✓
Sea Water	21	✓	21	✗	✗	✓	✓	149	✓
Silver Nitrate	21	✓	21	✓	✓	+	✓	149	✓
Sodium Acetate	27	✓	27	✓	✓	✗	✗	149	✓
Sodium Bicarbonate 20% (Baking Soda)	21	✓	+	✓	✓	✓	✓	149	✓
Sodium Bisulfate	+	✓	+	+	✓	+	✓	149	✓
Sodium Bisulfite	21	✓	27	✓	✓	✓	✓	149	✓
Sodium Carbonate (Soda Ash)	21	✓	21	✓	✓	✓	✓	149	✓
Sodium Chloride (Salt)	21	✓	21	+	100	✓	✓	149	✓
Sodium Fluoride	160	✓	+	✗	✗	✓	✓	149	✓
Sodium Hydroxide (5%)	+	✓	160	✓	✓	✓	+	149	✓
Sodium Hydroxide (20%)	+	✓	✗	✓	✓	✓	✓	149	✓
Sodium Hydroxide (40%)	+	✓	✗	✓	✓	+	✓	149	✓
Sodium Hypochlorite (5.25%)	✗	+	+	✗	✗	✗	✓	149	+
Sodium Nitrate	21	✓	27	✓	✓	✓	✓	149	✓
Sodium Sulfate (Glauber's Salt)	+	✓	27	✓	✓	✓	✓	149	✓
Soybean Oil	+	127	21	100	+	✓	+	93	+
Starch	21	✓	+	✓	✓	✓	✓	60	+
Steam	✗	250	+	✓	✓	✗	✗	✓	✓
Stearic Acid	21	✓	+	✓	✓	+	✓	+	+
Stoddard Solvent	+	✓	+	✓	✓	✓	✓	+	✗
Sulfuric Acid (Fuming)	✗	✗	✗	100	+	✗	+	149	✗
Sulfuric Acid (5%)	✗	✓	+	100	✓	✓	✓	✓	✗
Sulfuric Acid (50%)	✗	✓	✗	100	✗	✗	✓	✓	✗
Sulfuric Acid (96%)	✗	✗	✗	100	✗	✗	✓	✓	✗
Sulfurous Acid	✗	✓	+	✓	✓	✗	✓	149	✗
Tetrachloroethane	+	✗	+	✓	✓	✗	✓	149	✗
Tetrahydrofuran	21	✗	27	✓	✓	✗	✗	149	✗
Toluene (Toluol)	50	+	21	✓	✓	✗	✓	149	✗
Turpentine	21	✗	21	✓	✓	✓	✓	149	✗
Urea-Formaldehyde Resins	+	21	+	+	✓	✓	+	+	+
Varnish									