RECOMMENDED USE DEFINITIONS

IMMERSION SERVICE (Most Severe) – IS
Suitable for continuous contact with chemical exposure up to specified temperature.

CARGO/TEMPORARY IMMERSION – CI
Suitable for 60 day continuous contact with chemical exposure up to specified temperature. Coating will show no effect except slight softening or discoloration, possibly permanent, after 60 days or less continuous immersion. When used in transport or hauling conditions, the vessel must be completely drained to prevent puddling that would constitute continuous immersion.

SECONDARY CONTAINMENT – SC
Suitable for continuous contact up to 72 hours with chemical exposure or vapors. The coating will show no effects, except slight softening or discoloration, after 72 hours exposure to chemical or vapors. Data references the chemical resistance of the coating. System recommendation may include mat- or aggregate-reinforcement depending on substrate and/or exposure conditions.

FREQUENT CONTACT – FC
Suitable for frequent splash or up to 72 hours exposure to concentrated vapors. The coating will show no effects except slight softening or discoloration, possibly permanent, after eight hours continuous immersion in the liquid chemical or 72 hours exposure to the vapor.

OCCASIONAL CONTACT (Least Severe) – OC
Suitable for occasional splash and spillage or occasional exposure to concentrated vapors. The coating shows no effects, except slight softening or discoloration, following short exposure to splash or spillage which evaporates, is hosed off, or dried overnight or, 24 hours exposure to vapor.

NOT EVALUATED - NE
This chemical has not been evaluated for the listed chemical. Please contact Tnemec Technical Services for more information.

NOT RECOMMENDED - NR
This product is not recommended for the listed exposure.

CHEMICAL REFERENCES

The following references may be included in the chemical resistance guide listed below.

1 Product is NOT suitable for direct or indirect food contact. Intended Use and temperature information relates to product's performance capabilities only.

2 Product is suitable for direct or indirect food contact. Reference product data sheet for more information.

3 Service requires elevated temperature post cure (PC) of lining. Reference the product data sheet and application guide for more information.

4 System requires use of carbon veil. Reference the product data sheet and application guide for more information.

5 System requires use of glass surfacing veil. Reference the product data sheet and application guide for more information.

IMPORTANT NOTES

The term "chemicals" is used broadly in this guide and can refer to various constituents including, but not limited to, acids, fatty acids, food and beverage materials, finished and unrefined hydrocarbons, as well as individual chemicals and chemical blends. Unless otherwise referenced, the concentrations listed are aqueous solutions of the chemicals.

Temperature can have a significant effect on a coating's chemical resistance. Prior to coating selection, due care should be taken to determine the service temperature of stored chemicals, elevated temperature caused by natural environmental conditions (i.e. radiant heat from sun, weather), and temperature fluctuations during service (i.e. loading of cargo, service cycling).

Chemical mixtures and alternating chemical storage can aggressively degrade a coating or lining system. Prior to coating selection and application, the expected chemical exposures and sequence of chemical storage should be discussed with Tnemec Technical Service to ensure the proper coating is selected.

Proper surface preparation is always important to ensure optimum coating performance, but it is even more so for coatings that will undergo chemical exposure. Carefully read product data sheets along with related application guides to determine the required level of surface preparation and surface profile.

Structural designs of tanks, structures, and containment areas can greatly affect coating performance. Sharp angles, channels, edges, corners, pits, voids, defects, rough welds, and other similar conditions present areas that are either difficult to coat or achieve the required film thickness. Avoid skip welds in favor of continuous welds. A stripe coat on these areas, prior to full coating application, can help achieve needed film thickness and prevent premature coating failure. (Reference NACE SP0178-2007 for more information.)

The length of a coating system's service life depends on surface cleanliness and preparation prior to application, proper application procedures, exposure conditions, physical abuse, cleaning techniques, and frequency of inspection, maintenance, and repair. No coating system has an unlimited service life. Regular inspection of the coating system can prolong service life by identifying areas in need of repair. Additionally, regular inspections can determine when the coating system is nearing its end of service and should be completely replaced.

Chemical resistance information is provided for the purpose of establishing a general profile of the coating and was obtained through laboratory testing, field experience, and industry knowledge. Test results were produced in a controlled environment and Tnemec makes no claim that any tests, or published chemical resistance information, accurately represent all environments or correlate to actual field performance. Application, environmental and design factors, chemical temperatures, chemical mixtures, sequence of storage, conditions of service, and cleaning procedures can significantly impact coating performance, so due care must be exercised in the selection and use of the coating. Tnemec disclaims responsibility for product use outside its published information. Contact Tnemec Technical Service to review full project details before the coating or coating system is selected and applied.

	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
1, 1, 1-Trichloroethane (Trichloroethane)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Acetaldehyde	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Acetic Acid					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
75%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Acetic Acid, Glacial	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Acetic Anhydride	100°F (38°C)	100°F (38°C)	NR	NR	NR
Acetone	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Acetonitrile					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
100%	NR	NR	NR	NR	NR
Acrylic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Acrylonitrile	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Activated Carbon (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Adipic Acid (Dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Allyl Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Aluminum Chloride					
25%	150°F (66°C)	150°F (66°C)	NR	NR	NR
Aluminum Hydroxide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Aluminum Nitrate					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	140°F (60°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Ammonium Bisulfite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Ammonium Carbonate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Ammonium Chloride					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Fluoride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Hydroxide (Aqua Ammonia)					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Lauryl Sulfate					
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Ammonium Nitrate					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
38%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Nitrite					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Perchlorate (Dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ammonium Persulfate					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Ammonium Phosphate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Ammonium Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Ammonium Sulfide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Ammonium Sulfite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Ammonium Thiosulfate					
60%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Amyl Acetate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Aniline	NR	NR	NR	NR	NR
Animal Fats	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	150°F (66°C) - MB-2.0
Aqua Regia	NR	NR	NR	NR	NR
Aviation Gas	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Barium Chloride	300°F (149°C)	300°F (149°C)	NR	NR	NR
50%	140°F (60°C)	140°F (60°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Barium Hydroxide					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Barium Nitrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Barium Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Barium Sulfide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Barley (malt) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Beer (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Beet (liquor) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Benzene	300°F (149°C)	300°F (149°C)	NR	NR	NR
Benzene Sulfonic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Benzoic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Benzoyl Chloride	300°F (149°C)	300°F (149°C)	NR	NR	NR
Benzyl Alcohol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	100°F (38°C) - MB-2.0
Benzyl Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Biodiesel (<2% FAME)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	150°F (66°C) - MB-2.0
Black Liquor (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-8.1	150°F (66°C) - RS-8.1
Boric Acid					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Brake Fluid (DOT 3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Brine chlorinated (ph 5-9) <12,000 ppm chlorides	NR	NR	NR	NR	NR
Brown Stock	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Butyl Acrylate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Butyl Amine	NR	NR	NR	NR	NR
Butyric Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Cadmium Bromide					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Cadmium Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Cadmium Plating (Cyanide) (4)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - RS-8.1	140°F (60°C) - RS-8.1
Calcium Bisulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Calcium Bromide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Calcium Carbonate (Limestone Slurry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.2	150°F (66°C) - MB-2.2
Calcium Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Calcium Hydroxide (Lime Slurry)					

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
100%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Calcium Hypochlorite					
5%	120°F (49°C)	120°F (49°C)	NR	NR	NR
Calcium Nitrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Calcium Nitrite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Calcium Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Calcium Sulfite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Caprolactam	120°F (49°C)	120°F (49°C)	NR	NR	NR
Caramel (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Carbon Disulfide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Carbon Tetrachloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Cashew Nut Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Castor Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Chlorinated Pulp	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	PC	PC
Chlorine Dioxide (gas)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Chlorine Dioxide (Wet, Saturated)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Chlorine Dioxide Generator	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Chlorobenzene	120°F (49°C)	120°F (49°C)	NR	NR	NR
Chloroform	120°F (49°C)	NR	NR	NR	NR
Chlorosulfonic Acid	NR	NR	NR	NR	NR
Chromic Acid					
10% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
20% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
25%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Citric Acid					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Coal (high and low sulfur)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Cobalt Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Cobalt Citrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Coconut Oil (refined) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Cod Liver Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Cola (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Copper (I) Chloride (Cuprous Chloride)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Copper Acetate					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Copper Sulfate					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Copper Sulfate (dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Corn Mash Solution (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Corn Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Corn Starch (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Corn Syrup (white) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Cottonseed Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Cresylic Acid (Cresol)	NR	NR	NR	NR	NR
Crude Oil (Sour)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	180°F (82°C) - MB-2.0	180°F (82°C) - MB-2.0
Crude Oil (Sweet)	300°F (149°C)	300°F (149°C)	300°F (149°C) - MB-2.0	180°F (82°C) - MB-2.0	180°F (82°C) - MB-2.0
Cumene	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Cumene Hydroperoxide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Cyclohexane	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Cyclohexanol	NR	NR	NR	NR	NR
Cyclohexanone	NR	NR	NR	NR	NR
Cyclohexylamine	NR	NR	NR	NR	NR
Dextrose (1) (d-glucose)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	140°F (60°C) - MB-2.0
Diacetone Alcohol	NR	NR	NR	NR	NR
Dichloroacetic Acid					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Diethanolamine	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Diethylene Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Diethylene Glycol Monobutyl Ether (Butyl "Carbitol")	NE	NE	NE	NE	NE
Diethylene Glycol Monobutyl Ether Acetate (Butyl "Carbitol" Acetate)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Diethylenetriamine	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Dimethyl Formamide	140°F (60°C)	140°F (60°C)	NR	NR	NR
Dioctyl Phthalate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Dipropylene Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Dodecyl Alcohol (Lauryl Alcohol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-2.0	150°F (66°C) - RS-2.0
Ethanol (1) (Denatured Alcohol, Ethyl Alcohol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Ethanolamine	NE	NE	NE	NE	NE
Ethyl Acetate	NR	NR	NR	NR	NR
Ethyl Benzene	NR	NR	NR	NR	NR
Ethylamine					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ethylene Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
Ethylene Glycol Monobutyl Ether (Butyl "Cellosolve")	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Ethylene Glycol Monobutyl Ether Acetate (Butyl "Cellosolve" Acetate)	NE	NE	NE	NE	NE
Ethylenediamine					
20%	NR	NR	NR	NR	NR
Fatty Acids (Greater than C6)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	150°F (66°C) - MB-2.0
Ferric Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Ferric Nitrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Ferric Sulfate					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
60%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Ferrous Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Flue Gas (dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	275°F (135°C) - MB-2.0	275°F (135°C) - MB-2.0
Flue Gas (wet)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	150°F (66°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Fluoboric Acid (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	150°F (66°C) - RS-8.1	150°F (66°C) - RS-8.1
Fluorosilicic Acid (Hydrofluorosilicic Acid)					
10% (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - RS-8.1	130°F (54°C) - RS-8.1
Formaldehyde					
37%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Formic Acid					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
25%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	120°F (49°C) - MB-2.0
Fructose (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Furan	NR	NR	NR	NR	NR
Furfural					
10%	NE	NE	NE	NE	NE
Furfuryl Alcohol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Gasoline (Unleaded)	NR	NR	NR	NR	NR
Glucose (1) (l-glucose)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Glycerin	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-2.0	150°F (66°C) - RS-2.0
Glycolic Acid					
70%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Gold Plating Solution	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Grape Juice (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Grapefruit Juice (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Green Liquor (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-8.1	150°F (66°C) - RS-8.1

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Guar Gum (1)	100°F (38°C)	100°F (38°C)	NE	NE	NE
Hand Cleaner (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Heptane	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Hexane	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Hexanol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Hydraulic Fluid (Hydraulic Oil)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Hydrobromic Acid					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
48%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Hydrochloric Acid					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
15%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
28%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
33%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
37%	300°F (149°C)	300°F (149°C)	NR	NE	NE
Hydrofluoric Acid					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Hydrofluoroboric Acid					
62%	100°F (38°C)	100°F (38°C)	NR	NR	NR
Hydrogen Peroxide					

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Hydrogen Sulfide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-2.0	150°F (66°C) - RS-2.0
Iodine					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Isobutyl Acetate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Isobutyl Alcohol	NR	NR	NR	NR	NR
Isopropyl Alcohol (Isopropanol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
Jet A Fuel	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
JP-4 Aviation Fuel	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
JP-5 Aviation Fuel	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Kaolin	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Kerosene	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Lactic Acid					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
85%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
100%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Lauryl Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Lead Acetate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Levulinic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Linseed Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Lithium Bromide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Lithium Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Lithium Hydroxide (saturated)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
LPG (gas)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Lubricating Oil (SAE 5W-40, et al) (Motor Oil)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Magnesium Bisulfite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Magnesium Chloride					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Magnesium Hydroxide					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Magnesium Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Maleic Acid					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Maleic Anhydride	120°F (49°C)	120°F (49°C)	NR	NR	NR
Malic Acid	100°F (38°C)	100°F (38°C)	NR	NR	NR
Mercuric Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Mercury	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-2.0	150°F (66°C) - RS-2.0
Methacrylic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Methane Gas	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	160°F (71°C) - MB-6.0	160°F (71°C) - MB-6.0
Methanol (Methyl Alcohol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Methyl Acetate	NR	NR	NR	NR	NR
Methyl Acrylate	NR	NR	NR	NR	NR
Methyl Amyl Ketone	NR	NR	NR	NR	NR
Methyl Ethyl Ketone	NR	NR	NR	NR	NR

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Methyl Isobutyl Chloride	120°F (49°C)	120°F (49°C)	NR	NR	NR
Methyl Isobutyl Ketone	100°F (38°C)	100°F (38°C)	NR	NR	NR
Methyl Methacrylate	NR	NR	NR	NR	NR
Methyl Propyl Ketone	NR	NR	NR	NR	NR
Methyl tert-Butyl Ether (MTBE)	NR	NR	NR	NR	NR
Methylene Chloride	NR	NR	NR	NR	NR
Methylstyrene (alpha)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Milk (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Milk Whey	NR	NR	NR	NR	NR
Mineral Oil	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Mineral Spirits	NR	NR	NR	NR	NR
Molasses (1)	NR	NR	NR	NR	NR
Morpholine	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Mustard (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Naphtha	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Naphthalene	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Naphthenic Acid	110°F (43°C)	110°F (43°C)	NR	NR	NR
n-Butyl Acetate (Butyl Acetate)	120°F (49°C)	120°F (49°C)	NR	NR	NR
n-Butyl Alcohol (1-Butanol) (Butanol (Normal))	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
n-Decyl Alcohol (Decyl Alcohol (1-Decanol))	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Nickel Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Nitric Acid					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
25%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
70%	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0	NR	NR	NR
Nitrobenzene	NR	NR	NR	NR	NR
n-Methyl-2-Pyrrolidone	NE	NE	NR	NR	NR
n-Octyl Alcohol (Octanol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
n-Propyl Alcohol (Propyl Alcohol)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
Oleic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Olive Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Oxalic Acid					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Ozone <2 ppm (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - RS-8.0	100°F (38°C) - RS-8.0
Palm Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Pentane	NR	NR	NR	NR	NR
Perchloric Acid					
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Perchloroethylene (Tetrachloroethylene)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
Petroleum Ether	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Phosphoric Acid					
5%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
25%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
43%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
85%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
115%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
Phosphorous	NE	NE	NE	NE	NE
Phosphorous Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Phthalic Acid (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Picric Acid (conc)	NR	NR	NR	NR	NR
Pine Oil	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Polyethylene Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
Polypropylene	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Polystyrene	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Polytetrafluoroethane	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Polyvinyl Acetate Emulsion	NR	NR	NR	NR	NR
Polyvinyl Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-3.0	120°F (49°C) - MB-3.0
Potash Ore	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Potassium Acetate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Potassium Bromide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Carbonate					
25%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
Potassium Chlorate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Chloride	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.0	150°F (66°C) - MB-2.0

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Potassium Cyanide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Ferricyanide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Fluoride	120°F (49°C)	120°F (49°C)	NE	NE	NE
Potassium Hydroxide					
50%	NR	NR	NR	NR	NR
Potassium Iodide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Potassium Nitrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Permanganate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Persulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Potassium Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Propane	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Propanol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
Propionic Acid					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
100%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	100°F (38°C) - MB-6.0	100°F (38°C) - MB-6.0
Proponal (fumes)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Propylene Glycol	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Pulpmill (Black Liquor) (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-8.1	150°F (66°C) - RS-8.1
Pulpmill (Green Liquor) (3) (5)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-8.1	150°F (66°C) - RS-8.1
Pulpmill (White Liquor) (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	100°F (38°C) - MB-2.1	100°F (38°C) - MB-2.1
Pyridine					

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
20%	NR	NR	NR	NR	NR
Silver Nitrate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Acetate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Aluminate	120°F (49°C)	120°F (49°C)	300°F (149°C) - RS-2.0	NE	NE
Sodium Bisulfate					
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Bisulfite					
38%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Borate (Borax)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Bromide (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Carbonate (sat'd)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
Sodium Carbonate (slurry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NE	NE
Sodium Chlorate					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Chloride (sat'd) (Brine, Water (Sea), Salt Brine)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - RS-1.0	150°F (66°C) - RS-1.0
Sodium Chlorite (>6 pH)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Chromate					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Cyanide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Dichromate (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Fluoride	300°F (149°C)	300°F (149°C)	NE	NE	NE
Sodium Formate					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Sodium Hydrosulfide					
45%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Hydrosulfite					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NE	NE
Sodium Hydroxide (Caustic Soda)					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	NR	NR
Sodium Hypochlorite (Bleach)					
6%	120°F (49°C)	120°F (49°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.1	120°F (49°C) - MB-2.1
13%	100°F (38°C)	100°F (38°C)	300°F (149°C) - RS-2.0	NR	NR
15%	100°F (38°C)	100°F (38°C)	300°F (149°C) - RS-2.0	NR	NR
Sodium Lauryl Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Nitrate					
40%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Nitrate (dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Oxalate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Phosphate					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sodium Silicate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	120°F (49°C) - MB-2.1	120°F (49°C) - MB-2.1
Sodium Sulfate					
6%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Sulfide (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Sodium Sulfite	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0

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Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Sodium Thiosulfate					
30%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Soy Sauce (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Soybean Oil (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Soybean Oil (ESO) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Spearmint Oil (1)	NR	NR	NR	NR	NR
Stannic Chloride (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Stannous Chloride (all)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Stearic Acid (conc)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Stoddard Solvent	NR	NR	NR	NR	NR
Styrene	400°F (204°C)	400°F (204°C)	400°F (204°C) - RS-2.0	100°F (38°C) - MB-2.0	100°F (38°C) - MB-2.0
Sugars (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Sulfite Liquor (paper industry)	PC	PC	PC	PC	PC
Sulfur Dioxide (dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	275°F (135°C) - MB-2.0	275°F (135°C) - MB-2.0
Sulfur Dioxide (wet)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	PC	PC
Sulfuric Acid (Sulphuric Acid)					
5% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
10% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
30% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
50% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-6.0	120°F (49°C) - MB-6.0
70% (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
98%	NR	NR	NR	NR	NR

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Sulfurous Acid					
10%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Tall Oil	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
Tannic Acid	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Tartaric Acid (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Tetrahydrofuran	NR	NR	NR	NR	NR
Toluenesulfonic Acid	NR	NR	NR	NR	NR
Tomato Sauce (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Transmission Fluid	NR	NR	NR	NR	NR
Trichloroethylene (Vinyl Trichloride)	NR	NR	NR	NR	NR
Trichlorofluoroethane	NR	NR	NR	NR	NR
Triethanolamine (TEA)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Triethylamine	100°F (38°C)	100°F (38°C)	NR	NR	NR
Triethylenetetramine	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Trisodium Phosphate (Sodium Phosphate (Tribasic))					
20%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Turpentine	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Urea					
50%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Urea Ammonium Nitrate					
32%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Vanillan (Black Liquor) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	NR	NR
Vegetable Oil (1)	NE	NE	NE	NE	NE

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	Intended Use (Maximum Temperature Listed)				
Chemical	**Occasional Contact**	**Frequent Contact**	**Secondary Containment**	**Cargo Immersion**	**Immersion Service**
Vinegar (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0
Water (deionized, non-potable) (1) (Water (Demineralized, Non-potable))	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.1	150°F (66°C) - MB-2.1
Water (distilled, non-potable) (1)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.1	150°F (66°C) - MB-2.1
Water (fresh, non-potable)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-2.1	150°F (66°C) - MB-2.1
White Liquor (3)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.1	100°F (38°C) - MB-2.1	100°F (38°C) - MB-2.1
Xylene	NR	NR	NR	110°F (43°C) - MB-2.0	110°F (43°C) - MB-2.0
Zinc Bromide	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	120°F (49°C) - MB-2.0	120°F (49°C) - MB-2.0
Zinc Chloride					
40%	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	130°F (54°C) - MB-2.0	130°F (54°C) - MB-2.0
Zinc Phosphate (dry)	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	150°F (66°C) - MB-6.0	150°F (66°C) - MB-6.0
Zinc Sulfate	300°F (149°C)	300°F (149°C)	300°F (149°C) - RS-2.0	140°F (60°C) - MB-2.0	140°F (60°C) - MB-2.0

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