

RECOMMENDED USE DEFINITIONS

IMMERSION SERVICE (Most Severe) - IS

Suitable for continuous contact with chemical exposure up to specified temperature.

CARGO IMMERSION - CI

Suitable for continuous contact with chemical exposure up to specified temperature. Coating will show no effect except slight softening or color change after 2 months or less continuous immersion (may also be used in transport and hauling situations).

SECONDARY CONTAINMENT - SC

Suitable for continuous contact with chemical for up to 72 hours. EPA regulations require removal within 48 hours or in a timely manner as possible. Softening or discoloration may occur during the exposure.

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 color change 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 color changes, following short exposure to splash or spillage which evaporates, is hosed off, or dried overnight or, 24 hours exposure to vapor.

NOT TESTED - NT

NOT RECOMMENDED - NR

PLEASE CALL - PC

Chemical resistance information herein is provided for the purpose of establishing a general profile of the coating. Test performance results were obtained in a controlled environment and the Tnemec Company makes no claim that these tests, or any other tests, accurately represent all environments. Application, environmental and design factors, chemical temperatures, and chemical mixtures can significantly impact coating performance, so due care should be exercised in the selection and use of the coating. Contact your Tnemec representative to review full project details before coating is selected.

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Chemical	Intended Use (Maximum Temperature Listed)				
	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
1, 1, 1-Trichloroethane (Trichloroethane)	NT	NT	NT	NT	NT
Acetaldehyde	NT	NT	NT	NT	NT
Acetic Acid, Glacial	100°F (38°C)	100°F (38°C)			
Acetic Anhydride	NT	NT	NT	NT	NT
Acetone	100°F (38°C)	100°F (38°C)			
Acetonitrile	NT	NT	NT	NT	NT
Acetyl Chloride	NT	NT	NT	NT	NT
Acrylic Latex Solution	NT	NT	NT	NT	NT
Acrylonitrile	NR	NR	NR	NR	NR
Activated Carbon	NR	NR	NR	NR	NR
Adipic Acid	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Adipic Acid (Dry)	NT	NT	NT	NT	NT
Allyl Alcohol	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Allyl Chloride	NT	NT	NT	NT	NT
Aluminum Bromide	100°F (38°C)	100°F (38°C)			
Aluminum Chloride	100°F (38°C)	100°F (38°C)			
Aluminum Hydroxide	NT	NT	NT	NT	NT
Aluminum Nitrate	NT	NT	NT	NT	NT
Aluminum Sulfate (Alum)	NT	NT	NT	NT	NT
Aluminum Sulfate, saturated solution	NT	NT	NT	NT	NT
Ammonium Bisulfite	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Ammonium Carbonate	NT	NT	NT	NT	NT
Ammonium Chloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Ammonium Fluoride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Ammonium Fluosilicate	NT	NT	NT	NT	NT
Ammonium Hydroxide	NT	NT	NT	NT	NT
Ammonium Lauryl Sulfate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Ammonium Nitrate	NT	NT	NT	NT	NT
Ammonium Nitrite	NT	NT	NT	NT	NT
Ammonium Perchlorate (Dry)	NT	NT	NT	NT	NT
Ammonium Persulfate	NT	NT	NT	NT	NT

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Ammonium Phosphate	100°F (38°C)	100°F (38°C)			
Ammonium Sulfate	100°F (38°C)	100°F (38°C)			
Ammonium Sulfide	100°F (38°C)	100°F (38°C)			
Ammonium Sulfite	100°F (38°C)	100°F (38°C)			
Ammonium Thiosulfate	NT	NT	NT	NT	NT
Ammonium Xylene Sulfonate	100°F (38°C)	100°F (38°C)			
Amyl Acetate	100°F (38°C)	100°F (38°C)			
Amyl Alcohol	100°F (38°C)	100°F (38°C)			
Aniline	NR	NR	NR	NR	NR
Aniline Hydrochloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Animal Fats	NT	NT	NT	NT	NT
Animal Oil	NT	NT	NT	NT	NT
Antimony Chloride (tri)	100°F (38°C)	100°F (38°C)			
Aqua Ammonia	NT	NT	NT	NT	NT
Aqua Regia	100°F (38°C)	100°F (38°C)			
Arsenous Acid	100°F (38°C)	100°F (38°C)			
ASTM Reference (Fuels A & C)	NT	NT	NT	NT	NT
Aviation Gas	NT	NT	NT	NT	NT
Barium Chloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Barium Hydroxide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Barium Nitrate	NT	NT	NT	NT	NT
Barium Sulfate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Barium Sulfide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Beer (non-food contact) ¹	NR	NR	NR	NR	NR
Benzal Chloride	100°F (38°C)	100°F (38°C)			
Benzaldehyde	NR	NR	NR	NR	NR
Benzene	100°F (38°C)	100°F (38°C)			
Benzene Sulfonic Acid	100°F (38°C)	100°F (38°C)			
Benzene Thiol	100°F (38°C)	100°F (38°C)			
Benzoic Acid	NT	NT	NT	NT	NT
Benzoyl Chloride	NT	NT	NT	NT	NT
Benzyl Alcohol	NT	NT	NT	NT	NT

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Benzyl Chloride	NT	NT	NT	NT	NT
Blood	NT	NT	NT	NT	NT
Borax	NT	NT	NT	NT	NT
Boric Acid (dry)	NT	NT	NT	NT	NT
Boric Acid Solution	NT	NT	NT	NT	NT
Bromine	NR	NR	NR	NR	NR
Bromine Gas (Dry)	NR	NR	NR	NR	NR
Bromine Gas (Wet)	NR	NR	NR	NR	NR
Butric Acid	NT	NT	NT	NT	NT
Butyl Acid Levulinic	100°F (38°C)	100°F (38°C)			
Butyl Acrylate	100°F (38°C)	100°F (38°C)			
Butyl Amine	100°F (38°C)	100°F (38°C)			
Butyl Ether	100°F (38°C)	100°F (38°C)			
Butylbenzyl Phthalate	NT	NT	NT	NT	NT
Butyric Acid	NR	NR	NR	NR	NR
Cadmium Bromide	NT	NT	NT	NT	NT
Cadmium Chloride	100°F (38°C)	100°F (38°C)			
Cadmium Plating (Cyanide)	100°F (38°C)	100°F (38°C)			
Calcium Bisulfate	NT	NT	NT	NT	NT
Calcium Bisulfite	100°F (38°C)	100°F (38°C)			
Calcium Bromide	NT	NT	NT	NT	NT
Calcium Carbonate	NT	NT	NT	NT	NT
Calcium Chloride	NT	NT	NT	NT	NT
Calcium Hypochlorite	NT	NT	NT	NT	NT
Calcium Nitrate	NT	NT	NT	NT	NT
Calcium Nitrite	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Calcium Sulfate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Calcium Sulfite	100°F (38°C)	100°F (38°C)			
Caprolactam	NT	NT	NT	NT	NT
Caprylic Acid (Octanoic Acid)	NT	NT	NT	NT	NT
Carbon Bisulfide (Di) Fumes (wet)	NR	NR	NR	NR	NR

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Carbon Dioxide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Carbon Disulfide	NT	NT	NT	NT	NT
Carbon Tetrachloride	100°F (38°C)	100°F (38°C)			
Castor Oil	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Caustic Potash	NT	NT	NT	NT	NT
Chlorine Dioxide	NT	NT	NT	NT	NT
Chloroacetic Acid	NR	NR	NR	NR	NR
Chlorobenzene	100°F (38°C)	100°F (38°C)			
Chlorobutane	100°F (38°C)	100°F (38°C)			
Chloroform	NR	NR	NR	NR	NR
Chlorophenol	100°F (38°C)	100°F (38°C)			
Chlorosulfonic Acid	NR	NR	NR	NR	NR
Chlorotoluene	NR	NR	NR	NR	NR
Chlorowax 40	NT	NT	NT	NT	NT
Chromic Acid	100°F (38°C)	100°F (38°C)			
Chromic Chloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Citric Acid	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Coal (high and low sulfur)	NT	NT	NT	NT	NT
Cola (non-food contact) ¹	NT	NT	NT	NT	NT
Copper Acetate	NT	NT	NT	NT	NT
Copper Chloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Copper Liquor	NT	NT	NT	NT	NT
Copper Nitrate	100°F (38°C)	100°F (38°C)			
Copper Plating (Acid)	100°F (38°C)	100°F (38°C)			
Copper Plating (Cyanide)	100°F (38°C)	100°F (38°C)			
Copper Sulfate	NT	NT	NT	NT	NT
Copper Sulfate (dry)	NT	NT	NT	NT	NT
Corn Mash Solution (non-food contact) ¹	NT	NT	NT	NT	NT
Corn Oil (non-food contact) ¹	100°F (38°C)	100°F (38°C)			
Cottonseed Oil (non-food contact) ¹	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Cresol	NR	NR	NR	NR	NR
Cresylic Acid	NR	NR	NR	NR	NR

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Crude Oil (Sour)	100°F (38°C)	100°F (38°C)			
Crude Oil (Sweet)	NT	NT	NT	NT	NT
Cumene	100°F (38°C)	100°F (38°C)			
Cumene Hydroperoxide	NT	NT	NT	NT	NT
Cuprous Chloride	NT	NT	NT	NT	NT
Cyclohexane	100°F (38°C)	100°F (38°C)			
Cyclohexanol	NT	NT	NT	NT	NT
Cyclohexanone	100°F (38°C)	100°F (38°C)			
Cyclohexylamine	NT	NT	NT	NT	NT
Cymene	100°F (38°C)	100°F (38°C)			
Detergent (Chiffon)	NT	NT	NT	NT	NT
Dextrose	100°F (38°C)	100°F (38°C)			
Diacetone Alcohol	NT	NT	NT	NT	NT
Dibromopropane Phosphate	100°F (38°C)	100°F (38°C)			
Dibutyl Phthalate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Dichloroacetic Acid	NR	NR	NR	NR	NR
Diesel Fuel (Fuel Oil, Diesel Oil)	NT	NT	NT	NT	NT
Diethanolamine	100°F (38°C)	100°F (38°C)			
Diethylene Chloroformate	100°F (38°C)	100°F (38°C)			
Diethylene Glycol	NT	NT	NT	NT	NT
Diethylene Glycol Monobutyl Ether (Butyl "Carbitol")	NT	NT	NT	NT	NT
Diethylenetriamine	NT	NT	NT	NT	NT
Diethylketone	NR	NR	NR	NR	NR
Dimethyl Carbamoyl Chloride	100°F (38°C)	100°F (38°C)			
Dimethyl Formamide	NR	NR	NR	NR	NR
Dimethyl Sulfoxide	100°F (38°C)	100°F (38°C)			
Dimethylaminopropylamine	NR	NR	NR	NR	NR
Dimethylaniline	NR	NR	NR	NR	NR
Dinitro Toluene	100°F (38°C)	100°F (38°C)			
Dinitrobenzene	100°F (38°C)	100°F (38°C)			
Diocetyl Phthalate	NT	NT	NT	NT	NT

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Dipropylene Glycol	NT	NT	NT	NT	NT
Dodecyl Alcohol (Lauryl Alcohol)	100°F (38°C)	100°F (38°C)			
Essential Oil	NT	NT	NT	NT	NT
Ethanol (Ethyl Alcohol, Denatured Alcohol)	NT	NT	NT	NT	NT
Ethanolamine	NT	NT	NT	NT	NT
Ethoxy Ethanol	100°F (38°C)	100°F (38°C)			
Ethoxylated Nonyl Phenol	100°F (38°C)	100°F (38°C)			
Ethyl Acetate	NR	NR	NR	NR	NR
Ethyl Acrylate	NR	NR	NR	NR	NR
Ethyl Benzene	NT	NT	NT	NT	NT
Ethyl Bromide	NR	NR	NR	NR	NR
Ethyl Chloride	100°F (38°C)	100°F (38°C)			
Ethyl Chloroformate	100°F (38°C)	100°F (38°C)			
Ethyl Ether	NR	NR	NR	NR	NR
Ethyl Hexyl Acrylate	100°F (38°C)	100°F (38°C)			
Ethyl Sulfate	100°F (38°C)	100°F (38°C)			
Ethyl Tert-Butyl Ether (ETBE)	NT	NT	NT	NT	NT
Ethylamine	NT	NT	NT	NT	NT
Ethylamine	NR	NR	NR	NR	NR
Ethylene Dichloride	NR	NR	NR	NR	NR
Ethylene Glycol	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Ethylene Oxide	NR	NR	NR	NR	NR
Fatty Acids (Greater than C6)	NT	NT	NT	NT	NT
Ferric Chloride	NT	NT	NT	NT	NT
Ferric Nitrate	100°F (38°C)	100°F (38°C)			
Ferric Sulfate	NT	NT	NT	NT	NT
Ferrous Chloride	NT	NT	NT	NT	NT
Fluorosilicic Acid (Hydrofluorosilicic Acid)	NT	NT	NT	NT	NT
Formic Acid	NT	NT	NT	NT	NT
Fructose (non-food contact) ¹	NT	NT	NT	NT	NT

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Fruit Juices (non-food contact) ¹	NT	NT	NT	NT	NT
Furan	NT	NT	NT	NT	NT
Furfural	NT	NT	NT	NT	NT
Furfuryl Alcohol	NT	NT	NT	NT	NT
Gasoline (Reformulated)	NT	NT	NT	NT	NT
Gasoline (Unleaded)	100°F (38°C)	100°F (38°C)			
Gasoline (w/ETBE, 15% max)	NT	NT	NT	NT	NT
Gasoline (w/TAME, 15% max)	NT	NT	NT	NT	NT
Gasoline (w/TBA, 15% max)	NT	NT	NT	NT	NT
Gasoline (w/WTBE, 15% max)	NT	NT	NT	NT	NT
Gelatine (non-food contact) ¹	NT	NT	NT	NT	NT
Glucose (non-food contact) ¹	NT	NT	NT	NT	NT
Glycerin	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Glycol Acid	100°F (38°C)	100°F (38°C)			
Gold Plating (Cyanide)	100°F (38°C)	100°F (38°C)			
Grape Juice	NT	NT	NT	NT	NT
Guar Gum (non-food contact) ¹	NT	NT	NT	NT	NT
Heptane	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Heptanol	NT	NT	NT	NT	NT
Hexane	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Hexanol	NT	NT	NT	NT	NT
Hexylene Glycol	NT	NT	NT	NT	NT
Hydraulic Fluid (Hydraulic Oil)	NT	NT	NT	NT	NT
Hydrazine	100°F (38°C)	100°F (38°C)			
Hydrazine Hydrate	NR	NR	NR	NR	NR
Hydriodic Acid	100°F (38°C)	100°F (38°C)			
Hydrobromic Acid	100°F (38°C)	100°F (38°C)			
Hydrochloric Acid	100°F (38°C)	100°F (38°C)			
Hydrofluoric Acid	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Hydrofluoroboric Acid	NT	NT	NT	NT	NT
Hydrogen Peroxide	NR	NR	NR	NR	NR

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Hydrogen Sulfide	NT	NT	NT	NT	NT
Hydroquinone	NT	NT	NT	NT	NT
Iodine	NR	NR	NR	NR	NR
Iodine (Crystals and vapor)	100°F (38°C)	100°F (38°C)			
Isobutyl Acetate	NT	NT	NT	NT	NT
Isobutyl Alcohol	NT	NT	NT	NT	NT
Isooctane	NT	NT	NT	NT	NT
Isooctylthioglycolate	100°F (38°C)	100°F (38°C)			
Isophorone	NR	NR	NR	NR	NR
Isopropyl Acetate	100°F (38°C)	100°F (38°C)			
Isopropyl Alcohol	100°F (38°C)	100°F (38°C)			
Isopropyl Ether	100°F (38°C)	100°F (38°C)			
Jet A Fuel	100°F (38°C)	100°F (38°C)			
JP-4 Aviation Fuel	100°F (38°C)	100°F (38°C)	100°F (38°C)		
JP-5 Aviation Fuel	NT	NT	NT	NT	NT
Kaolin	NT	NT	NT	NT	NT
Kerosene	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Lactic Acid	NR	NR	NR	NR	NR
Lard (non-food contact) ¹	NT	NT	NT	NT	NT
Lauric Acid	100°F (38°C)	100°F (38°C)			
Lauryl Chloride	100°F (38°C)	100°F (38°C)			
Lead Acetate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Lecithin	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Levulinic Acid	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Linseed Oil	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Lithium Bromide	NT	NT	NT	NT	NT
Lithium Chloride	NT	NT	NT	NT	NT
Lithium Hydroxide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Lithium Hydroxide (saturated)	100°F (38°C)	100°F (38°C)			
Lubricating Oil (SAE 5W-40, et al) (Motor Oil)	NT	NT	NT	NT	NT
Magnesium Bisulfite	NT	NT	NT	NT	NT

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Magnesium Chloride	NT	NT	NT	NT	NT
Magnesium Hydroxide	NT	NT	NT	NT	NT
Magnesium Sulfate	NT	NT	NT	NT	NT
Maleic Acid	100°F (38°C)	100°F (38°C)			
Maleic Anhydride	NT	NT	NT	NT	NT
Malic Acid	100°F (38°C)	100°F (38°C)			
Mercury and Salts	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Methacrylic Acid	NT	NT	NT	NT	NT
Methane Gas	NT	NT	NT	NT	NT
Methanol (Methyl Alcohol)	NT	NT	NT	NT	NT
Methyl Acetate	100°F (38°C)	100°F (38°C)			
Methyl Acrylate	NT	NT	NT	NT	NT
Methyl Amyl Alcohol	NR	NR	NR	NR	NR
Methyl Amyl Ketone	NT	NT	NT	NT	NT
Methyl Chloride	NR	NR	NR	NR	NR
Methyl Ethyl Ketone	100°F (38°C)	100°F (38°C)			
Methyl Isobutyl Chloride	NT	NT	NT	NT	NT
Methyl Isobutyl Ketone	NR	NR	NR	NR	NR
Methyl Methacrylate	NT	NT	NT	NT	NT
Methyl Oleate	100°F (38°C)	100°F (38°C)			
Methyl tert-Butyl Ether (MTBE)	NT	NT	NT	NT	NT
Methylene Chloride	NR	NR	NR	NR	NR
Milk (non-food contact) ¹	NT	NT	NT	NT	NT
Mineral Oil	NR	NR	NR	NR	NR
Mineral Spirits	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Molasses (non-food contact) ¹	NT	NT	NT	NT	NT
Morpholine	NT	NT	NT	NT	NT
Mustard (non-food contact) ¹	NT	NT	NT	NT	NT
Naphthalene	NT	NT	NT	NT	NT
Naphthenic Acid	NR	NR	NR	NR	NR
n-Butyl Acetate (Butyl Acetate)	NT	NT	NT	NT	NT

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n-Butyl Alcohol (1-Butanol) (Butanol (Normal))	NT	NT	NT	NT	NT
n-Decyl Alcohol (Decyl Alcohol (1-Decanol))	NT	NT	NT	NT	NT
Nickel Chloride	NT	NT	NT	NT	NT
Nickel Plating (bright)	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Nitric Acid	100°F (38°C)	100°F (38°C)			
Nitrilotriethanol	100°F (38°C)	100°F (38°C)			
Nitrobenzene	NR	NR	NR	NR	NR
Nitromethane	NR	NR	NR	NR	NR
n-Methyl-2-Pyrrolidone	NT	NT	NT	NT	NT
n-Octyl Alcohol (Octanol)	100°F (38°C)	100°F (38°C)			
Nonanol	NT	NT	NT	NT	NT
Nonyl Phenol	NT	NT	NT	NT	NT
n-Propyl Alcohol (Propyl Alcohol)	NT	NT	NT	NT	NT
Octane	NT	NT	NT	NT	NT
Oleic Acid	100°F (38°C)	100°F (38°C)			
Oxalic Acid	100°F (38°C)	100°F (38°C)			
Ozone <2 ppm	NT	NT	NT	NT	NT
Palm Oil	NT	NT	NT	NT	NT
Paraldehyde	NT	NT	NT	NT	NT
Parrafin Wax	NT	NT	NT	NT	NT
Pelargonic Acid	NT	NT	NT	NT	NT
Pentachloroethane	100°F (38°C)	100°F (38°C)			
Perchloric Acid	100°F (38°C)	100°F (38°C)			
Perchloroethylene	100°F (38°C)	100°F (38°C)			
Petroleum Ether	NT	NT	NT	NT	NT
Petroleum Oil	NT	NT	NT	NT	NT
Phenol (Carbolic Acid)	NR	NR	NR	NR	NR
Phenolsulfonic Acid	NT	NT	NT	NT	NT
Phosphoric Acid	NT	NT	NT	NT	NT
Phosphorous	NT	NT	NT	NT	NT

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Chemical	Intended Use (Maximum Temperature Listed)				
	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Phosphorous Acid	NT	NT	NT	NT	NT
Phosphorous Oxychloride	NR	NR	NR	NR	NR
Phosphorous Trichloride	NR	NR	NR	NR	NR
Phthalic Acid (all)	NR	NR	NR	NR	NR
Picric Acid	NR	NR	NR	NR	NR
Picric Acid (conc)	NT	NT	NT	NT	NT
Pine Oil	NT	NT	NT	NT	NT
Polyacrylic Acid	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Polyethylene Glycol	NT	NT	NT	NT	NT
Polymer Emulsion	NT	NT	NT	NT	NT
Polymer Mannich	NT	NT	NT	NT	NT
Polypropylene	NT	NT	NT	NT	NT
Polystyrene	NT	NT	NT	NT	NT
Polytetrafluoroethane	NT	NT	NT	NT	NT
Polyvinyl Chloride	NT	NT	NT	NT	NT
Potash Ore	NT	NT	NT	NT	NT
Potassium Acetate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Bicarbonate	NR	NR	NR	NR	NR
Potassium Bromide	100°F (38°C)	100°F (38°C)			
Potassium Carbonate	NT	NT	NT	NT	NT
Potassium Chlorate	100°F (38°C)	100°F (38°C)			
Potassium Chloride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Cyanide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Ferricyanide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Fluoride	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Hydroxide	100°F (38°C)	100°F (38°C)			
Potassium Iodide	NT	NT	NT	NT	NT
Potassium Nitrate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Potassium Permanganate	100°F (38°C)	100°F (38°C)			
Potassium Persulfate	100°F (38°C)	100°F (38°C)			
Potassium Sulfate	100°F (38°C)	100°F (38°C)			
Propanediol	100°F (38°C)	100°F (38°C)	100°F (38°C)		

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Propionic Acid	NT	NT	NT	NT	NT
Propyl Acetate	NT	NT	NT	NT	NT
Propylene Glycol	100°F (38°C)	100°F (38°C)			
Pulpmill (Black Liquor)	NT	NT	NT	NT	NT
Pulpmill (Green Liquor)	100°F (38°C)	100°F (38°C)			
Pulpmill (White Liquor)	NR	NR	NR	NR	NR
Pyridine	NR	NR	NR	NR	NR
Rayon Spin Liquor	100°F (38°C)	100°F (38°C)			
Salicylaldehyde	100°F (38°C)	100°F (38°C)			
Salicylic Acid	100°F (38°C)	100°F (38°C)			
Silicon Tetrachloride	100°F (38°C)	100°F (38°C)			
Silicone Fluids	NT	NT	NT	NT	NT
Silver Nitrate	100°F (38°C)	100°F (38°C)			
Skydrol	100°F (38°C)	100°F (38°C)			
Sodium Acetate	100°F (38°C)	100°F (38°C)			
Sodium Bicarbonate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Bisulfate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Bisulfite	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Borate	NT	NT	NT	NT	NT
Sodium Bromate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Bromide (all)	NT	NT	NT	NT	NT
Sodium Carbonate	NT	NT	NT	NT	NT
Sodium Carbonate (sat'd)	NT	NT	NT	NT	NT
Sodium Carbonate (slurry)	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Chlorate	NT	NT	NT	NT	NT
Sodium Chloride (sat'd) (Brine, Water (Sea), Salt Brine)	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Chromate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Cyanide	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Dichromate (all)	NT	NT	NT	NT	NT
Sodium Fluoride	100°F (38°C)	100°F (38°C)			
Sodium Formate	NT	NT	NT	NT	NT

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Sodium Hexametaphosphate	NT	NT	NT	NT	NT
Sodium Hydrosulfide	100°F (38°C)	100°F (38°C)			
Sodium Hydrosulfite	NT	NT	NT	NT	NT
Sodium Hydroxide (Caustic Soda)	100°F (38°C)	100°F (38°C)			
Sodium Hypochlorite (Bleach)	100°F (38°C)	100°F (38°C)			
Sodium Lauryl Sulfate	NT	NT	NT	NT	NT
Sodium Nitrate	NT	NT	NT	NT	NT
Sodium Nitrate (dry)	NT	NT	NT	NT	NT
Sodium Oxalate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Peroxide	100°F (38°C)	100°F (38°C)			
Sodium Phosphate	NT	NT	NT	NT	NT
Sodium Polymethacrylate	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Sodium Silicate	NT	NT	NT	NT	NT
Sodium Silicofluoride	NT	NT	NT	NT	NT
Sodium Sulfide (all)	NR	NR	NR	NR	NR
Sodium Sulfite	NR	NR	NR	NR	NR
Sodium Tartrate	100°F (38°C)	100°F (38°C)			
Sodium Thiosulfate	NT	NT	NT	NT	NT
Sodium Tripolyphosphate	NT	NT	NT	NT	NT
Solvesso 100	NT	NT	NT	NT	NT
Sorbital (non-food contact) ¹	NT	NT	NT	NT	NT
Soya Fatty Acids	NT	NT	NT	NT	NT
Soybean Oil (non-food contact) ¹	NT	NT	NT	NT	NT
Stannic Chloride (all)	NT	NT	NT	NT	NT
Stannous Chloride (all)	NT	NT	NT	NT	NT
Starch	NT	NT	NT	NT	NT
Stearic Acid (conc)	100°F (38°C)	100°F (38°C)	100°F (38°C)		
Styrene	NR	NR	NR	NR	NR
Sugars (non-food contact) ¹	NT	NT	NT	NT	NT
Sulfamic Acid	100°F (38°C)	100°F (38°C)			
Sulfite Liquor (paper industry)	100°F (38°C)	100°F (38°C)			

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Sulfur Dioxide (dry)	NT	NT	NT	NT	NT
Sulfur Dioxide (wet)	100°F (38°C)	100°F (38°C)			
Sulfur Trioxide (dry)	100°F (38°C)	100°F (38°C)			
Sulfur Trioxide (wet)	100°F (38°C)	100°F (38°C)			
Sulfuric Acid (Sulphuric Acid)	100°F (38°C)	100°F (38°C)			
Sulfurous Acid	NT	NT	NT	NT	NT
Sunflower Oil (non-food contact) ¹	NT	NT	NT	NT	NT
Tall Oil	100°F (38°C)	100°F (38°C)			
Tall Oil (fatty acid)	NT	NT	NT	NT	NT
Tallow	NT	NT	NT	NT	NT
Tannic Acid	NT	NT	NT	NT	NT
Tartaric Acid	100°F (38°C)	100°F (38°C)			
Tertiary-Butyl Alcohol (TBA) (Butanol (Tertiary))	NT	NT	NT	NT	NT
Tetrachloroethane	NR	NR	NR	NR	NR
Tetrachloroethylene	NT	NT	NT	NT	NT
Tetrahydrofuran	NT	NT	NT	NT	NT
Tetrahydrofurfuryl Alcohol	NT	NT	NT	NT	NT
Thionyl Chloride	NR	NR	NR	NR	NR
Thionyl Chloride (water solution)	NT	NT	NT	NT	NT
Toluene	100°F (38°C)	100°F (38°C)			
Toluenesulfonic Acid	NR	NR	NR	NR	NR
Toluidine	NR	NR	NR	NR	NR
Transmission Fluid	NR	NR	NR	NR	NR
Trichloroacetic Acid	100°F (38°C)	100°F (38°C)			
Trichlorobenzene	NR	NR	NR	NR	NR
Trichloroethylene	NR	NR	NR	NR	NR
Trichlorofluoroethane	NR	NR	NR	NR	NR
Tricresyl Phosphate	NR	NR	NR	NR	NR
Triethanolamine	NT	NT	NT	NT	NT
Triethyl Phosphite	NR	NR	NR	NR	NR
Triethylamine	NR	NR	NR	NR	NR

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	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Triethylenetetramine	NR	NR	NR	NR	NR
Trisodium Phosphate (Sodium Phosphate (Tribasic))	100°F (38°C)	100°F (38°C)			
Turpentine	NR	NR	NR	NR	NR
Urea	NR	NR	NR	NR	NR
Urea Ammonium Nitrate	NR	NR	NR	NR	NR
Vegetable Oil (non-food contact) ¹	NR	NR	NR	NR	NR
Vinegar (non-food contact) ¹	NT	NT	NT	NT	NT
Vinyl Chloride	NR	NR	NR	NR	NR
Vinyl Trichloride	NR	NR	NR	NR	NR
Water (deionized, non-potable) (Water (Demineralized, Non-potable))	100°F (38°C)	100°F (38°C)			
Water (distilled, non-potable)	100°F (38°C)	100°F (38°C)			
Water (fresh, non-potable)	100°F (38°C)	100°F (38°C)			
Whiskey (non-food contact) ¹	NT	NT	NT	NT	NT
Wine (non-food contact) ¹	NT	NT	NT	NT	NT
Xylene	NR	NR	NR	NR	NR
Yeast (non-food contact) ¹	NR	NR	NR	NR	NR
Zinc Bromide	NT	NT	NT	NT	NT
Zinc Chloride	NT	NT	NT	NT	NT
Zinc Phosphate (dry)	NT	NT	NT	NT	NT
Zinc Plating (Acid Fluoborate)	100°F (38°C)	100°F (38°C)			
Zinc Plating (Acid Sulfate)	NR	NR	NR	NR	NR
Zinc Plating (Cyanide)	100°F (38°C)	100°F (38°C)			
Zinc Sulfate	NT	NT	NT	NT	NT

Chemical resistance information herein is provided for the purpose of establishing a general profile of the coating. Test performance results were obtained in a controlled environment and the Tnemec Company makes no claim that these tests, or any other tests, accurately represent all environments. Application, environmental and design factors, chemical temperatures, and chemical mixtures can significantly impact coating performance, so due care should be exercised in the selection and use of the coating. Contact your Tnemec representative to review full project details before coating is selected.