



(IS) - Immersion Service (TS) - Temporary Storage (SC) - Secondary Containment (FC) - Frequent Contact (OC) - Occasional Contact (NR) - Not Recommended (NT) - Not Tested (PC) - Please Call
 *Results are NOT suitable for direct or indirect food contact. Intended use exposure results relate to product's performance and substrate protection capabilities only.

Chemical	Intended Use
1, 1, 1-Trichloroethane (Trichloroethane)	SC, FC, OC
Acetaldehyde	NR
Acetic Acid (10%)	SC, FC, OC
Acetic Acid (30%)	OC
Acetic Acid (5%)	IS, TS, SC, FC, OC
Acetic Acid (5%) at 120°F (49°C)	TS, SC, FC, OC
Acetic Acid, Glacial	NR
Acetic Anhydride (100%)	NR
Acetone	OC
Acetonitrile (100%)	NR
Acetonitrile (20%)	NR
Acrylic Acid (25%)	NR
Acrylic Latex Solution	IS, TS, SC, FC, OC
Acrylonitrile (100%)	NR
Activated Carbon	IS, TS, SC, FC, OC
Adipic Acid (Dry)	FC, OC
Allyl Chloride	SC, FC, OC
Aluminum Chloride	SC, FC, OC
Aluminum Chloride (25%)	IS, TS, SC, FC, OC
Aluminum Hydroxide	SC, FC, OC
Aluminum Nitrate (50%)	SC, FC, OC
Aluminum Sulfate	IS, TS, SC, FC, OC
Aluminum Sulfate (49%) (Alum)	IS, TS, SC, FC, OC
Ammonium Bisulfite	IS, TS, SC, FC, OC

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Ammonium Carbonate	SC, FC, OC
Ammonium Chloride (50%)	IS, TS, SC, FC, OC
Ammonium Fluoride	NR
Ammonium Hydroxide (10%)	IS, TS, SC, FC, OC
Ammonium Hydroxide (20%)	IS, TS, SC, FC, OC
Ammonium Hydroxide (30%)	IS, TS, SC, FC, OC
Ammonium Hydroxide (5%)	IS, TS, SC, FC, OC
Ammonium Lauryl Sulfate (30%)	SC, FC, OC
Ammonium Nitrate (10%)	IS, TS, SC, FC, OC
Ammonium Nitrate (20%)	IS, TS, SC, FC, OC
Ammonium Nitrate (38%)	IS, TS, SC, FC, OC
Ammonium Nitrate (50%)	IS, TS, SC, FC, OC
Ammonium Nitrite (50%)	IS, TS, SC, FC, OC
Ammonium Perchlorate (Dry)	IS, TS, SC, FC, OC
Ammonium Persulfate (10%)	SC, FC, OC
Ammonium Phosphate	IS, TS, SC, FC, OC
Ammonium Sulfamate	IS, TS, SC, FC, OC
Ammonium Sulfate	IS, TS, SC, FC, OC
Ammonium Sulfide	IS, TS, SC, FC, OC
Ammonium Sulfite	SC, FC, OC
Amyl Acetate	SC, FC, OC
Aniline (20%)	SC, FC, OC

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Animal Fats	SC, FC, OC
Animal Oil	IS, TS, SC, FC, OC
Aqua Ammonia	IS, TS, SC, FC, OC
Aqua Regia	OC
Aviation Gas	IS, TS, SC, FC, OC
Barium Chloride (50%)	IS, TS, SC, FC, OC
Barium Hydroxide (50%)	IS, TS, SC, FC, OC
Barium Nitrate	IS, TS, SC, FC, OC
Barium Sulfate	IS, TS, SC, FC, OC
Barium Sulfide	IS, TS, SC, FC, OC
Beer*	IS, TS, SC, FC, OC
Benzene	IS, TS, SC, FC, OC
Benzene Sulfonic Acid	SC, FC, OC
Benzoic Acid	SC, FC, OC
Benzoyl Chloride	SC, FC, OC
Benzyl Alcohol	OC
Benzyl Chloride	SC, FC, OC
Borax	IS, TS, SC, FC, OC
Boric Acid (5%)	IS, TS, SC, FC, OC
Butyl Acrylate	NR
Butyl Amine	NR
Butyric Acid	NR
Cadmium Bromide (10%)	IS, TS, SC, FC, OC

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Cadmium Chloride (50%)	IS, TS, SC, FC, OC
Cadmium Plating (Cyanide)	NR
Calcium Bisulfate	NR
Calcium Bromide	IS, TS, SC, FC, OC
Calcium Carbonate	IS, TS, SC, FC, OC
Calcium Chloride (50%)	IS, TS, SC, FC, OC
Calcium Hydroxide (30%) (Lime Slurry)	IS, TS, SC, FC, OC
Calcium Hypochlorite (5%)	SC, FC, OC
Calcium Nitrate	IS, TS, SC, FC, OC
Calcium Nitrite	OC
Calcium Oxide (Lime)	IS, TS, SC, FC, OC
Calcium Sulfate	IS, TS, SC, FC, OC
Calcium Sulfite	IS, TS, SC, FC, OC
Caprolactam	SC, FC, OC
Carbon Disulfide	SC, FC, OC
Carbon Tetrachloride	SC, FC, OC
Castor Oil	IS, TS, SC, FC, OC
Caustic Potash	IS, TS, SC, FC, OC
Chlorine Dioxide	SC, FC, OC
Chlorobenzene	SC, FC, OC
Chloroform	SC, FC, OC
Chlorosulfonic Acid	NR
Chromic Acid (10%)	SC, FC, OC
Chromic Acid (20%)	NR

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Citric Acid (= \leq 50%)	IS, TS, SC, FC, OC
Coal (high and low sulfur)	IS, TS, SC, FC, OC
Cola*	IS, TS, SC, FC, OC
Copper Acetate (50%)	SC, FC, OC
Copper Chloride	IS, TS, SC, FC, OC
Copper Nitrate	IS, TS, SC, FC, OC
Copper Sulfate (10%)	IS, TS, SC, FC, OC
Copper Sulfate (20%)	IS, TS, SC, FC, OC
Copper Sulfate (50%)	IS, TS, SC, FC, OC
Copper Sulfate (dry)	IS, TS, SC, FC, OC
Corn Mash Solution*	IS, TS, SC, FC, OC
Corn Oil*	IS, TS, SC, FC, OC
Cottonseed Oil*	IS, TS, SC, FC, OC
Cresylic Acid	NR
Crude Oil (Sour)	IS, TS, SC, FC, OC
Crude Oil (Sweet)	IS, TS, SC, FC, OC
Cumene Hydroperoxide	NR
Cuprous Chloride	IS, TS, SC, FC, OC
Cyclohexane	IS, TS, SC, FC, OC
Cyclohexanol	IS, TS, SC, FC, OC
Cyclohexanone	IS, TS, SC, FC, OC

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Cyclohexamine	SC, FC, OC
Dextrose	IS, TS, SC, FC, OC
Diacetone Alcohol	SC, FC, OC
Dibutyl Phthalate	IS, TS, SC, FC, OC
Diesel Fuel (Diesel Oil, Fuel Oil)	IS, TS, SC, FC, OC
Diethanolamine	IS, TS, SC, FC, OC
Diethylene Glycol	IS, TS, SC, FC, OC
Diethylene Glycol Monobutyl Ether (Butyl "Carbitol")	SC, FC, OC
Diethylenetriamine	NR
Diglycolamine (62%)	IS, TS, SC, FC, OC
Dimethyl Formamide	NR
Dimethyl Sulfoxide (20%)	NR
Diocetyl Phthalate	IS, TS, SC, FC, OC
Dipropylene Glycol	IS, TS, SC, FC, OC
Dodecyl Alcohol (Lauryl)	IS, TS, SC, FC, OC
Ethanol (Ethyl Alcohol, Denatured Alcohol)	IS, TS, SC, FC, OC
Ethanolamine	SC, FC, OC
Ethyl Acetate	SC, FC, OC
Ethyl Benzene	IS, TS, SC, FC, OC
Ethyl Tert-Butyl Ether (ETBE)	IS, TS, SC, FC, OC
Ethylamine (20%)	NR
Ethylene Glycol	IS, TS, SC, FC, OC
Ethylene Glycol Monobutyl Ether (Butyl "Cellosolve")	IS, TS, SC, FC, OC

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Ethylene Glycol Monobutyl Ether Acetate <small>(Butyl "Cellosolve" Acetate)</small>	SC, FC, OC
Ethylenediamine (20%)	FC, OC
Fatty Acids (Greater than C6)	FC, OC
Ferric Chloride	IS, TS, SC, FC, OC
Ferric Nitrate	IS, TS, SC, FC, OC
Ferric Sulfate (20%)	IS, TS, SC, FC, OC
Ferrous Chloride	IS, TS, SC, FC, OC
Fluosilicic Acid (10%) <small>(Hydrofluosilicic Acid (10%))</small>	SC, FC, OC
Formaldehyde (37%)	SC, FC, OC
Formic Acid (10%)	NR
Fructose*	IS, TS, SC, FC, OC
Furan	NR
Furfural (10%)	NR
Furfuryl Alcohol	OC
Gasohol E10 (10% Ethanol)	IS, TS, SC, FC, OC
Gasohol E15 (15% Ethanol)	IS, TS, SC, FC, OC
Gasohol E30 (30% Ethanol)	IS, TS, SC, FC, OC
Gasohol E50 (50% Ethanol)	IS, TS, SC, FC, OC
Gasohol E85 (85% Ethanol)	IS, TS, SC, FC, OC
Gasoline (Reformulated)	IS, TS, SC, FC, OC
Gasoline (Unleaded)	IS, TS, SC, FC, OC
Glucose	IS, TS, SC, FC, OC

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Glycerin	IS, TS, SC, FC, OC
Glycolic Acid (70%)	NR
Gold Plating Solution	NR
Grape Juice	IS, TS, SC, FC, OC
Guar Gum*	IS, TS, SC, FC, OC
Heptane	IS, TS, SC, FC, OC
Hexane	IS, TS, SC, FC, OC
Hexanol	IS, TS, SC, FC, OC
Hexylene Glycol	IS, TS, SC, FC, OC
Hydraulic Fluid (Hydraulic Oil)	IS, TS, SC, FC, OC
Hydrochloric Acid (10%)	TS, SC, FC, OC
Hydrochloric Acid (15%) at 120°F (49°C)	TS, SC, FC, OC
Hydrochloric Acid (20%)	TS, SC, FC, OC
Hydrochloric Acid (30%)	TS, SC, FC, OC
Hydrochloric Acid (37%)	TS, SC, FC, OC
Hydrochloric Acid (5%)	IS, TS, SC, FC, OC
Hydrochloric Acid (5%) at 120°F (49°C)	IS, TS, SC, FC, OC
Hydrofluoric Acid (10%)	OC
Hydrofluoric Acid (20%)	NR
Hydrofluoroboric Acid (62%)	NR
Hydrogen Peroxide (30%)	FC, OC
Hydrogen Sulfide	SC, FC, OC
Iodine (5%)	FC, OC
Isobutyl Acetate	FC, OC
Isobutyl Alcohol	IS, TS, SC, FC, OC

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Isooctane	IS, TS, SC, FC, OC
Isopropyl Acetate	FC, OC
Isopropyl Alcohol	IS, TS, SC, FC, OC
Jet A Fuel	IS, TS, SC, FC, OC
JP-4 Aviation Fuel	IS, TS, SC, FC, OC
JP-5 Aviation Fuel	IS, TS, SC, FC, OC
Kaolin	IS, TS, SC, FC, OC
Kerosene	IS, TS, SC, FC, OC
Lactic Acid (10%)	SC, FC, OC
Lactic Acid (85%)	IS, TS, SC, FC, OC
Lauric Acid	SC, FC, OC
Lauryl Chloride	FC, OC
Lead Acetate	IS, TS, SC, FC, OC
Levulinic Acid	SC, FC, OC
Linseed Oil	IS, TS, SC, FC, OC
Lithium Bromide	SC, FC, OC
Lithium Chloride	IS, TS, SC, FC, OC
Lithium Hydroxide (saturated)	FC, OC
Lubricating Oil (SAE 5W-40, et al) <small>(Motor Oil)</small>	IS, TS, SC, FC, OC
Magnesium Bisulfite	FC, OC
Magnesium Chloride (50%)	IS, TS, SC, FC, OC
Magnesium Hydroxide (50%)	IS, TS, SC, FC, OC

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Magnesium Sulfate	IS, TS, SC, FC, OC
Maleic Acid	FC, OC
Maleic Anhydride	FC, OC
Mercuric Chloride	FC, OC
Mercury	NR
Methacrylic Acid	NR
Methane Gas	FC, OC
Methanol (Methyl Alcohol)	SC, FC, OC
Methanol (1%) and Water (99%) (blend)	TS, SC, FC, OC
Methyl Acetate (20%)	SC, FC, OC
Methyl Acrylate	FC, OC
Methyl Amyl Alcohol	SC, FC, OC
Methyl Amyl Ketone	SC, FC, OC
Methyl Ethyl Ketone	SC, FC, OC
Methyl Isobutyl Chloride	SC, FC, OC
Methyl Isobutyl Ketone	SC, FC, OC
Methyl Methacrylate	SC, FC, OC
Methyl Propyl Ketone	SC, FC, OC
Methyl tert-Butyl Ether (MTBE)	NR
Methylene Chloride	NR
Milk*	IS, TS, SC, FC, OC
Mineral Oil	IS, TS, SC, FC, OC
Mineral Spirits	IS, TS, SC, FC, OC
Molasses*	IS, TS, SC, FC, OC
Morpholine	NR
Mustard*	SC, FC, OC
Naphtha	IS, TS, SC, FC, OC

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Naphthalene	IS, TS, SC, FC, OC
Naphthenic Acid	SC, FC, OC
n-Butyl Acetate (Butyl Acetate)	FC, OC
n-Butyl Alcohol (1-Butanol) (Butanol (Normal))	IS, TS, SC, FC, OC
n-Decyl Alcohol (Decyl Alcohol (1-Decanol))	IS, TS, SC, FC, OC
Nickel Chloride	SC, FC, OC
Nitric Acid (10%)	SC, FC, OC
Nitric Acid (25%)	TS, SC, FC, OC
Nitric Acid (5%)	SC, FC, OC
Nitric Acid (Con., 69-71%)	NR
Nitrobenzene	SC, FC, OC
n-Methyl-2-Pyrrolidone	NR
n-Octyl Alcohol (Octanol)	IS, TS, SC, FC, OC
n-Propyl Alcohol (Propyl Alcohol)	IS, TS, SC, FC, OC
Octane	IS, TS, SC, FC, OC
Oleic Acid	IS, TS, SC, FC, OC
Oxalic Acid (10%)	SC, FC, OC
Ozone <2 ppm	NR
Palm Oil	IS, TS, SC, FC, OC
Parrafin Wax	IS, TS, SC, FC, OC
Pentane	SC, FC, OC
Perchloroethylene	IS, TS, SC, FC, OC
Petroleum Ether	IS, TS, SC, FC, OC
Phenol (Carbolic Acid)	SC, FC, OC

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Phosphoric Acid (10%)	FC, OC
Phosphoric Acid (25%)	OC
Phosphoric Acid (5%)	FC, OC
Phosphoric Acid (85%)	NR
Phosphorous	NR
Phosphorous Acid	NR
Phthalic Acid (all)	SC, FC, OC
Picric Acid (conc)	NR
Pine Oil	IS, TS, SC, FC, OC
Polyethylene Glycol	IS, TS, SC, FC, OC
Polypropylene	IS, TS, SC, FC, OC
Polystyrene	IS, TS, SC, FC, OC
Polytetrafluoroethane	IS, TS, SC, FC, OC
Polyvinyl Chloride	IS, TS, SC, FC, OC
Potash Ore	IS, TS, SC, FC, OC
Potassium Acetate	IS, TS, SC, FC, OC
Potassium Bromide	IS, TS, SC, FC, OC
Potassium Carbonate	IS, TS, SC, FC, OC
Potassium Chlorate	IS, TS, SC, FC, OC
Potassium Chloride	IS, TS, SC, FC, OC
Potassium Cyanide	IS, TS, SC, FC, OC
Potassium Ferricyanide	IS, TS, SC, FC, OC

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Potassium Fluoride	IS, TS, SC, FC, OC
Potassium Hydroxide (50%)	IS, TS, SC, FC, OC
Potassium Iodide	NR
Potassium Nitrate	IS, TS, SC, FC, OC
Potassium Permanganate	FC, OC
Potassium Persulfate	SC, FC, OC
Potassium Sulfate	SC, FC, OC
Propionic Acid (<50%)	NR
Propylene Glycol	IS, TS, SC, FC, OC
Pulpmill (Black Liquor)	SC, FC, OC
Pulpmill (Green Liquor)	SC, FC, OC
Pulpmill (White Liquor)	SC, FC, OC
Pyridine (<20%)	NR
Silver Nitrate	NR
Skydrol	IS, TS, SC, FC, OC
Sodium Acetate	NR
Sodium Aluminate	NR
Sodium Bicarbonate	IS, TS, SC, FC, OC
Sodium Bisulfate (30%)	SC, FC, OC
Sodium Bisulfite (38%)	SC, FC, OC
Sodium Borate	IS, TS, SC, FC, OC
Sodium Bromide (all)	NR
Sodium Carbonate (sat'd)	IS, TS, SC, FC, OC
Sodium Carbonate (slurry)	IS, TS, SC, FC, OC
Sodium Chlorate (50%)	NR

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Sodium Chloride (sat'd) (Brine, Water (Sea), Salt Brine, Water (Salt 20%))	IS, TS, SC, FC, OC
Sodium Chloride (sat'd) at 150°F (66°C)	IS, TS, SC, FC, OC
Sodium Chlorite (>6 pH)	NR
Sodium Chromate (50%)	SC, FC, OC
Sodium Cyanide (18%)	NR
Sodium Dichromate (all)	SC, FC, OC
Sodium Fluoride	IS, TS, SC, FC, OC
Sodium Formate (50%)	SC, FC, OC
Sodium Hydrosulfide (72%)	SC, FC, OC
Sodium Hydrosulfite (10%)	SC, FC, OC
Sodium Hydroxide (= < 50%) (Caustic Soda)	TS, SC, FC, OC
Sodium Hypochlorite (15%)	SC, FC, OC
Sodium Hypochlorite (5% - Bleach) (Bleach)	IS, TS, SC, FC, OC
Sodium Lauryl Sulfate	IS, TS, SC, FC, OC
Sodium Nitrate (dry)	IS, TS, SC, FC, OC
Sodium Oxalate (>0.5%)	NR
Sodium Phosphate (10%)	IS, TS, SC, FC, OC
Sodium Phosphate (50%)	IS, TS, SC, FC, OC
Sodium Silicate	IS, TS, SC, FC, OC
Sodium Sulfate (6%)	IS, TS, SC, FC, OC
Sodium Sulfide (all)	NR
Sodium Sulfite	SC, FC, OC
Sodium Thiosulfate (30%)	SC, FC, OC
Sodium Tripolyphosphate (>0.5)	IS, TS, SC, FC, OC

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Solvesso 100	IS, TS, SC, FC, OC
Soybean Oil*	IS, TS, SC, FC, OC
Stannic Chloride (all)	NR
Stannous Chloride (all)	NR
Stearic Acid (conc)	NR
Styrene	FC, OC
Sulfamic Acid (25%)	NR
Sulfite Liquor (paper industry)	NR
Sulfur Dioxide (dry)	IS, TS, SC, FC, OC
Sulfur Dioxide (wet)	IS, TS, SC, FC, OC
Sulfur Trioxide (dry)	IS, TS, SC, FC, OC
Sulfur Trioxide (wet)	IS, TS, SC, FC, OC
Sulfuric Acid (10%) (Sulphuric Acid (10%))	IS, TS, SC, FC, OC
Sulfuric Acid (30%) (Sulphuric Acid (30%))	IS, TS, SC, FC, OC
Sulfuric Acid (5%) (Sulphuric Acid (5%))	IS, TS, SC, FC, OC
Sulfuric Acid (50%) (Sulphuric Acid (50%))	TS, SC, FC, OC
Sulfuric Acid (70%) (Sulphuric Acid (70%))	TS, SC, FC, OC
Sulfuric Acid (90 - 98%) (Sulphuric Acid (90 - 98%))	NR
Sulfurous Acid (10%)	NR
Tall Oil	IS, TS, SC, FC, OC
Tallow	IS, TS, SC, FC, OC
Tannic Acid	IS, TS, SC, FC, OC
Tartaric Acid	SC, FC, OC

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Tertiary-Amyl Methyl Ether (TAME)	IS, TS, SC, FC, OC
Tertiary-Butyl Alcohol (TBA) <small>(Butanol (Tertiary))</small>	IS, TS, SC, FC, OC
Tetrachloroethylene	SC, FC, OC
Tetrahydrofuran	NR
Toluene	IS, TS, SC, FC, OC
Toluene (50%) and Xylol (50%) (blend) at 150°F (66°C)	IS, TS, SC, FC, OC
Toluenesulfonic Acid	SC, FC, OC
Transmission Fluid	IS, TS, SC, FC, OC
Trichloroethylene	SC, FC, OC
Trichlorofluoroethane	NR
Tricresyl Phosphate	SC, FC, OC
Triethanolamine	IS, TS, SC, FC, OC
Triethylamine	IS, TS, SC, FC, OC
Triethylenetetramine	NR
Trisodium Phosphate (20%) <small>(Sodium Phosphate (Tribasic))</small>	IS, TS, SC, FC, OC
Turpentine	IS, TS, SC, FC, OC
Urea (<=50%)	IS, TS, SC, FC, OC
Urea Ammonium Nitrate	IS, TS, SC, FC, OC
Urea, Diesel Emissions Fluid	IS, TS, SC, FC, OC
Vegetable Oil*	IS, TS, SC, FC, OC
Vinegar*	SC, FC, OC
Vinyl Trichloride	NR
Water (<200°F)	TS, SC, FC, OC

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Water (deionized, non-potable) (Water (Demineralized, Non-potable))	IS, TS, SC, FC, OC
Water (distilled, non-potable)	IS, TS, SC, FC, OC
Water (fresh, non-potable)	IS, TS, SC, FC, OC
Xylene	IS, TS, SC, FC, OC
Zinc Bromide	IS, TS, SC, FC, OC
Zinc Chloride (40%)	IS, TS, SC, FC, OC
Zinc Phosphate (dry)	IS, TS, SC, FC, OC
Zinc Sulfate	IS, TS, SC, FC, OC

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.