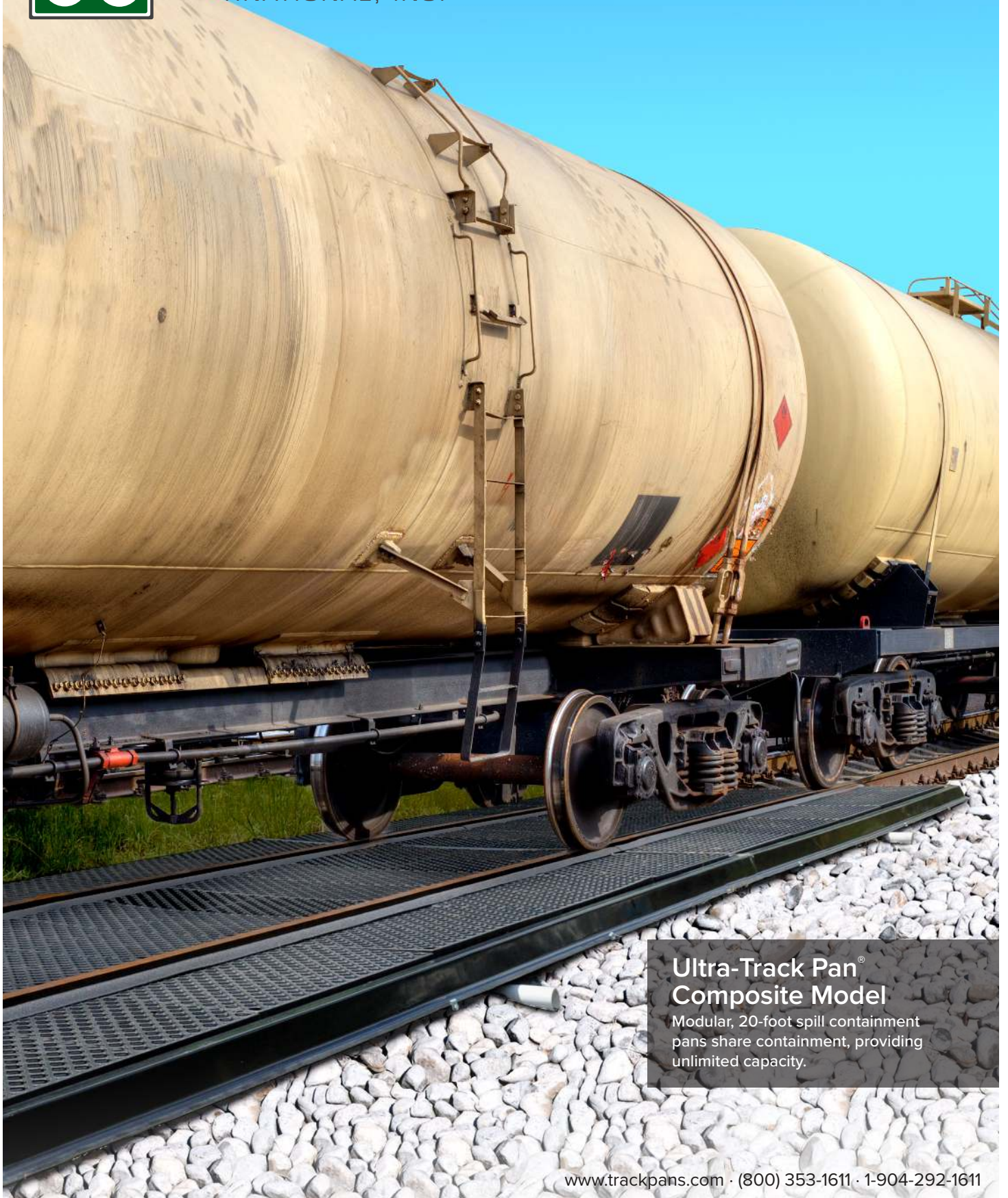




**ULTRATECH**  
INTERNATIONAL, INC.

## Railroad Spill Containment



### Ultra-Track Pan<sup>®</sup> Composite Model

Modular, 20-foot spill containment  
pans share containment, providing  
unlimited capacity.

[www.trackpans.com](http://www.trackpans.com) · (800) 353-1611 · 1-904-292-1611

# Ultra-Track Pans®



## Capture hazardous spills from railroad tanker cars and locomotives

Ultra-Track Pans have been designed to provide spill containment at industrial rail sidings, locomotive maintenance, and fueling facilities.

Available in virtually any length, Ultra-Track Pans may be used to collect small spills and leaks OR to capture and channel off significant spills caused by defective equipment or a major overflow.

- + Prevent costly cleanup and regulatory fines.
- + Slip-resistant design.
- + All polyethylene construction — Rugged Track Pans withstand harsh chemicals and are designed to function in temperatures ranging from -40° F to +140° F.
- + Sealed System — Polyethylene gaskets<sup>†</sup> keep spills from falling between the rails and Pans.
- + Trucks and other vehicles can drive over Track Pans with grates in place.\*
- + Economical and easy to install.



\*To drive over Track Pans, firm footing must be beneath the Pans; also must "ramp up" to Side Pans with asphalt or concrete.

†Polyethylene gaskets are used from most applications. Viton gaskets are available for crude oil applications. See website for more details.

### Simple Installation:



Flow-through channels — All Pans are connected "end-to-end" with bulkhead fittings, and a 3-inch diameter flow-through channel, allowing spills to quickly travel from one Pan to the next.



Closed-cell, polyethylene gaskets are installed to provide a seal between the Pans and rails. (Gaskets are provided.)



Side Pans are secured in place with 24" rebar fasteners. Typical installs require two pieces of rebar per Side Pan.

Visit [www.trackpans.com](http://www.trackpans.com) for more detailed information.

Patents: See [www.ultratechpatents.com](http://www.ultratechpatents.com)

Part#	Description	Includes	Outside Dimensions in. (mm)	Containment Capacity gal. (L)	Weight lbs. (kg)
9566	Center Track Pan with Grates	2 bulkhead fittings, 4 gaskets and 2 grates	54 1/4" x 55 3/4" x 6" (1378 mm x 1416 mm x 153 mm)	18 (69)	112 (51)
9576	Side Track Pan with Grates	1 bulkhead fitting, 2 gaskets and 1 grate	54 1/4" x 30 1/4" x 6" (1378 mm x 768 mm x 153 mm)	19 (72)	58 (26)
9580	Center Track Pan Cover	—	55 x 52 1/2 (1,397 x 1,333)	—	24 (11)
9581	Side Pan Cover	—	55 x 28 1/4 (1,397 x 717)	—	11 (5)

Options: **9584** Rebar Fasteners with Protective Caps (20-pack) · **9559** 3" dia. Bulkhead Fitting (for below grade piping)  
 · **9571** Grate Only for Center Pan (Left) · **9572** Grate Only for Center Pan (Right) · **9573** Grate Only for Side Pan

# Ultra-Track Pans® Composite Models



Modular, 20-foot spill containment pans share containment, providing unlimited capacity



- + Modular, composite system – can be built and designed to almost any length depending on spill containment requirements.
- + Easy installation - minimal site preparation (no excavation) required.
- + Constructed with high strength, non-porous, corrosion resistant fiberglass for years of reliable service.
- + Low profile: 20' long x 4 7/8" high
- + Pandrol compatible
- + Rail side gasket sealing system – prevents spills from leaking between Track Pans and rails.
- + Ultra-Track Pans may be used independently, or connected to other Pans via an optional drainage manifold.
- + Drainage manifold comes standard with clean out port to allow for removal of sludge blockages, etc. Installation requires half the ballast excavation of others ensuring tie foundation integrity.



System shown includes one Center Pan (Part# 7200) and two Side Pans (Part# 7210)



Optional flow through technology increases containment capacity for larger spills while minimizing cleanup of smaller spills.



Optional polyethylene grating package available for safer foot traffic.



Optional rail side gaskets prevent leaking between rails and Track Pans.

Visit [www.trackpans.com](http://www.trackpans.com) for more detailed information.

Part#	Description	Dimensions in. (mm)	Containment Capacity gal. (L)	Weight lbs. (kg)
7200	Center Pan	255 x 57¼ x 4½ (6,477 x 1,448 x 114)	209 (791)	177 (80)
			With grating: 191 (723)	With grating: 191 (723)
7210	Side Pan	255 x 36 x 4½ (6,477 x 914 x 114)	98 (371)	100 (45)
			With grating: 89 (337)	With grating: 89 (337)

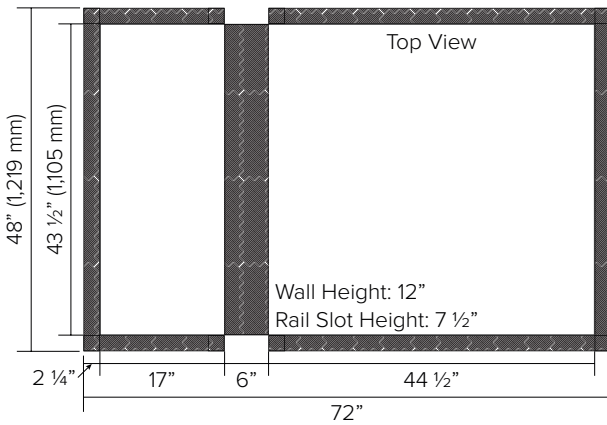
Options: **7220** Drain Manifold Center & Sides · **7223** Drain Manifold Center Only · **7225** Rail Gasket · **0420** Grating

# Ultra-Track Berm®



## Portable containment unit captures railcar leaks and spills

- + Lightweight and portable spill containment unit is easily placed under leaking/spilling railcars.
- + Dual-sump design provides protection for area on either side of the rail.
- + Closed-cell polyethylene foam provides secure sidewall structure.
- + Durable 40oz. (42 mil) PVC construction withstands harsh railroad conditions and provides excellent chemical compatibility.



Two (2) stainless steel camlock fittings allow quick and leak-free drainage of spilled chemicals.



Part#	Description	Material	Wall Height in. (mm)	Outside Dimensions in. (mm)	Inside Dimensions in. (mm)	Containment Capacity gal. (L)	Weight lbs. (kg)
8490	Ultra-Track Berm	40 oz. (42 Mil) PVC	12 (305)	72 x 48 (1,829 x 1,219)	67.5 x 43.5 (1,715 x 1,105)	144 (545)	24.0 (10.9)



11542 Davis Creek Court, Jacksonville, Florida 32256 USA  
(800) 353-1611 · 1-904-292-1611 · trackpans.com

FOR IMMEDIATE RELEASE

## UltraTech's Portable Spill Containment Captures Railroad Spills



Jacksonville, FL – September 21, 2017 - UltraTech International, Inc., leaders in the environmental compliance industry have added the Ultra-Track Berm to their product line.

Leaky locomotives and tanker cars can wreak environmental havoc on a railroad site. A portable spill containment and quick response solution is the [Ultra-Track Berm](#). The Track Berm is portable enough to be quickly and effectively moved by one person to a leak or spill and can capture up to 144 gallons.

If a larger spill occurs or greater capacity is needed, drain hoses (not included) can be connected to the camlock fittings so the spilled material is directed to a waste collection area or larger container.

Key features include:

- Lightweight and portable spill containment unit is easily placed under leaking/spilling railcars.
- Dual-sump design provides protection for area on either side of the rail.
- Two (2) stainless steel camlock fittings allow quick and leak-free drainage of spilled chemicals.
- Closed-cell polyethylene foam provides secure sidewall structure.
- Durable 40 mil PVC construction withstands harsh railroad conditions and provides excellent chemical compatibility.

UltraTech International, Inc. was formed in 1993 with one goal in mind: to create the world's finest offering of spill containment and spill response products. Since then, its vision has expanded into additional product categories and the company now features a product line that consists of over 350 unique products.

Focusing intensely on meeting customer needs in an innovative and cost-effective manner, the company has introduced an average of 20 new products each year. UltraTech's design and development team is credited with over 60 patents. They are industry leaders in spill containment, stormwater management, facility protection, construction compliance and oil spill response.

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Website: [www.ultratechbrands.com](http://www.ultratechbrands.com)



## PVC

### Chemical Compatibility Guide

Ultra-Spill Pallets Flexible Model • Ultra-Spill Decks Flexible Model  
 Ultra-Utility Trays Flexible Model • Ultra-Track Beam

NOTICE: This report is offered as a guide and was developed from information which, to the best of UltraTech International, Inc.'s knowledge, was reliable and accurate. Due to variables and conditions of application beyond UltraTech International, Inc.'s control, none of the data shown in this guide is to be construed as a guarantee, expressed, or implied. UltraTech assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

#### Ratings -- Chemical Effect

A = Excellent.

B = Good -- Minor Effect, slight corrosion or discoloration.

C = Fair -- Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.

D = Severe Effect, not recommended for ANY use.

N/A = Information not available.

#### Explanation of Footnotes

1. Satisfactory to 72°F (22°C)

2. Satisfactory to 120°F (48°C)

Acetaldehyde	D-Severe Effect
Acetamide	D-Severe Effect
Acetate Solvent	D-Severe Effect
Acetic Acid	D-Severe Effect
Acetic Acid 20%	D-Severe Effect
Acetic Acid 80%	C-Fair
Acetic Acid, Glacial	D-Severe Effect
Acetic Anhydride	D-Severe Effect
Acetone	D-Severe Effect
Acetyl Bromide	D-Severe Effect
Acetyl Chloride (dry)	C-Fair
Acetylene	A1-Excellent
Acrylonitrile	B1-Good
Adipic Acid	A2-Excellent
Alcohols:Amyl	A2-Excellent
Alcohols:Benzyl	D-Severe Effect

Alcohols:Butyl	A2-Excellent
Alcohols:Diacetone	B1-Good
Alcohols:Ethyl	C-Fair
Alcohols:Hexyl	A2-Excellent
Alcohols:Isobutyl	A1-Excellent
Alcohols:Isopropyl	A1-Excellent
Alcohols:Methyl	A1-Excellent
Alcohols:Octyl	N/A
Alcohols:Propyl	A1-Excellent
Aluminum Chloride	A2-Excellent
Aluminum Chloride 20%	A1-Excellent
Aluminum Fluoride	A2-Excellent
Aluminum Hydroxide	A2-Excellent
Aluminum Nitrate	B2-Good
Aluminum Potassium Sulfate 10%	A2-Excellent
Aluminum Potassium Sulfate 100%	A2-Excellent
Aluminum Sulfate	A2-Excellent
Alums	N/A
Amines	D-Severe Effect
Ammonia 10%	B1-Good
Ammonia Nitrate	B-Good
Ammonia, anhydrous	A2-Excellent
Ammonia, liquid	A1-Excellent
Ammonium Acetate	A-Excellent
Ammonium Bifluoride	A2-Excellent
Ammonium Carbonate	A2-Excellent
Ammonium Caseinate	N/A
Ammonium Chloride	A2-Excellent
Ammonium Hydroxide	A-Excellent
Ammonium Nitrate	A2-Excellent
Ammonium Oxalate	A-Excellent
Ammonium Persulfate	A2-Excellent
Ammonium Phosphate, Dibasic	A2-Excellent
Ammonium Phosphate, Monobasic	A-Excellent
Ammonium Phosphate, Tribasic	A-Excellent
Ammonium Sulfate	A2-Excellent
Ammonium Sulfite	A2-Excellent
Ammonium Thiosulfate	N/A
Amyl Acetate	D-Severe Effect
Amyl Alcohol	A2-Excellent
Amyl Chloride	D-Severe Effect
Aniline	C1-Fair



Aniline Hydrochloride	B2-Good
Antifreeze	A-Excellent
Antimony Trichloride	A2-Excellent
Aqua Regia (80% HCl, 20% HNO <sub>3</sub> )	C1-Fair
Arochlor 1248	N/A
Aromatic Hydrocarbons	D-Severe Effect
Arsenic Acid	A1-Excellent
Arsenic Salts	A-Excellent
Asphalt	A2-Excellent
Barium Carbonate	A2-Excellent
Barium Chloride	A1-Excellent
Barium Cyanide	D-Severe Effect
Barium Hydroxide	A2-Excellent
Barium Nitrate	A-Excellent
Barium Sulfate	B1-Good
Barium Sulfide	A2-Excellent
Beer	A2-Excellent
Beet Sugar Liquids	A2-Excellent
Benzaldehyde	D-Severe Effect
Benzene	C1-Fair
Benzene Sulfonic Acid	A-Excellent
Benzoic Acid	A-Excellent
Benzol	N/A
Benzonitrile	N/A
Benzyl Chloride	N/A
Bleaching Liquors	A1-Excellent
Borax (Sodium Borate)	A1-Excellent
Boric Acid	A2-Excellent
Brewery Slop	N/A
Bromine	C1-Fair
Butadiene	C1-Fair
Butane	C1-Fair
Butanol (Butyl Alcohol)	C1-Fair
Butter	N/A
Buttermilk	A1-Excellent
Butyl Amine	D-Severe Effect
Butyl Ether	A2-Excellent
Butyl Phthalate	N/A
Butylacetate	D-Severe Effect
Butylene	A1-Excellent
Butyric Acid	B1-Good
Calcium Bisulfate	N/A

Calcium Bisulfide	A2-Excellent
Calcium Bisulfite	B-Good
Calcium Carbonate	A2-Excellent
Calcium Chlorate	B2-Good
Calcium Chloride	C-Fair
Calcium Hydroxide	B-Good
Calcium Hypochlorite	B1-Good
Calcium Nitrate	A2-Excellent
Calcium Oxide	B-Good
Calcium Sulfate	B2-Good
Calgon	N/A
Cane Juice	A1-Excellent
Carbolic Acid (Phenol)	D-Severe Effect
Carbon Bisulfide	D-Severe Effect
Carbon Dioxide (dry)	A2-Excellent
Carbon Dioxide (wet)	A1-Excellent
Carbon Disulfide	D-Severe Effect
Carbon Monoxide	A2-Excellent
Carbon Tetrachloride	D-Severe Effect
Carbon Tetrachloride (dry)	N/A
Carbon Tetrachloride (wet)	N/A
Carbonated Water	A-Excellent
Carbonic Acid	A2-Excellent
Catsup	A-Excellent
Chloric Acid	A2-Excellent
Chlorinated Glue	N/A
Chlorine (dry)	D-Severe Effect
Chlorine Water	A2-Excellent
Chlorine, Anhydrous Liquid	D-Severe Effect
Chloroacetic Acid	B1-Good
Chlorobenzene (Mono)	D-Severe Effect
Chlorobromomethane	D-Severe Effect
Chloroform	D-Severe Effect
Chlorosulfonic Acid	D-Severe Effect
Chocolate Syrup	N/A
Chromic Acid 10%	A2-Excellent
Chromic Acid 30%	A1-Excellent
Chromic Acid 5%	A2-Excellent
Chromic Acid 50%	D-Severe Effect
Chromium Salts	A-Excellent
Cider	A-Excellent
Citric Acid	B2-Good

Citric Oils	N/A
Cloroxr (Bleach)	A-Excellent
Coffee	N/A
Copper Chloride	A1-Excellent
Copper Cyanide	A2-Excellent
Copper Fluoborate	A-Excellent
Copper Nitrate	A2-Excellent
Copper Sulfate >5%	A2-Excellent
Copper Sulfate 5%	A2-Excellent
Cream	N/A
Cresols	D-Severe Effect
Cresylic Acid	D-Severe Effect
Cupric Acid	A2-Excellent
Cyanic Acid	N/A
Cyclohexane	D-Severe Effect
Cyclohexanone	D-Severe Effect
Detergents	A-Excellent
Diacetone Alcohol	D-Severe Effect
Dichlorobenzene	D-Severe Effect
Dichloroethane	D-Severe Effect
Diesel Fuel	A1-Excellent
Diethyl Ether	D-Severe Effect
Diethylamine	D-Severe Effect
Diethylene Glycol	C1-Fair
Dimethyl Aniline	D-Severe Effect
Dimethyl Formamide	D-Severe Effect
Diphenyl	N/A
Diphenyl Oxide	D-Severe Effect
Dyes	B-Good
Epsom Salts (Magnesium Sulfate)	A1-Excellent
Ethane	A1-Excellent
Ethanol	C-Fair
Ethanolamine	D-Severe Effect
Ether	D-Severe Effect
Ethyl Acetate	D-Severe Effect
Ethyl Benzoate	D-Severe Effect
Ethyl Chloride	D-Severe Effect
Ethyl Ether	D-Severe Effect
Ethyl Sulfate	N/A
Ethylene Bromide	D-Severe Effect
Ethylene Chloride	D-Severe Effect
Ethylene Chlorohydrin	D-Severe Effect

Ethylene Diamine	D-Severe Effect
Ethylene Dichloride	D-Severe Effect
Ethylene Glycol	A-Excellent
Ethylene Oxide	D-Severe Effect
Fatty Acids	A-Excellent
Ferric Chloride	A-Excellent
Ferric Nitrate	A-Excellent
Ferric Sulfate	A-Excellent
Ferrous Chloride	A-Excellent
Ferrous Sulfate	A-Excellent
Fluoboric Acid	A-Excellent
Fluorine	D-Severe Effect
Fluosilicic Acid	D-Severe Effect
Formaldehyde 100%	A-Excellent
Formaldehyde 40%	A-Excellent
Formic Acid	A1-Excellent
Freon 113	B-Good
Freon 12	A2-Excellent
Freon 22	A-Excellent
Freon TF	B-Good
Freonr 11	A2-Excellent
Fruit Juice	A-Excellent
Fuel Oils	A2-Excellent
Furan Resin	A-Excellent
Furfural	D-Severe Effect
Gallic Acid	B-Good
Gasoline (high-aromatic)	A-Excellent
Gasoline, leaded, ref.	B-Good
Gasoline, unleaded	C2-Fair
Gelatin	B-Good
Glucose	A2-Excellent
Glue, P.V.A.	C-Fair
Glycerin	A-Excellent
Glycolic Acid	B-Good
Gold Monocyanide	N/A
Grape Juice	A-Excellent
Grease	A-Excellent
Heptane	C1-Fair
Hexane	B1-Good
Honey	A-Excellent
Hydraulic Oil (Petro)	A-Excellent
Hydraulic Oil (Synthetic)	A-Excellent

Hydrazine	N/A
Hydrobromic Acid 100%	A1-Excellent
Hydrobromic Acid 20%	B2-Good
Hydrochloric Acid 100%	D-Severe Effect
Hydrochloric Acid 20%	A2-Excellent
Hydrochloric Acid 37%	B-Good
Hydrochloric Acid, Dry Gas	A2-Excellent
Hydrocyanic Acid	B-Good
Hydrocyanic Acid (Gas 10%)	A-Excellent
Hydrofluoric Acid 100%	C-Fair
Hydrofluoric Acid 20%	B-Good
Hydrofluoric Acid 50%	B1-Good
Hydrofluoric Acid 75%	C-Fair
Hydrofluosilicic Acid 100%	B1-Good
Hydrofluosilicic Acid 20%	A2-Excellent
Hydrogen Gas	A2-Excellent
Hydrogen Peroxide 10%	A1-Excellent
Hydrogen Peroxide 100%	A-Excellent
Hydrogen Peroxide 30%	A1-Excellent
Hydrogen Peroxide 50%	A1-Excellent
Hydrogen Sulfide (aqua)	B1-Good
Hydrogen Sulfide (dry)	A2-Excellent
Hydroquinone	B-Good
Hydroxyacetic Acid 70%	D-Severe Effect
Ink	C-Fair
Iodine	A-Excellent
Iodine (in alcohol)	A-Excellent
Iodoform	A-Excellent
Isooctane	A1-Excellent
Isopropyl Acetate	D-Severe Effect
Isopropyl Ether	B-Good
Isotane	A-Excellent
Jet Fuel (JP3, JP4, JP5)	C-Fair
Kerosene	A2-Excellent
Ketones	D-Severe Effect
Lacquer Thinners	D-Severe Effect
Lacquers	D-Severe Effect
Lactic Acid	B1-Good
Lard	A1-Excellent
Latex	N/A
Lead Acetate	B-Good
Lead Nitrate	A2-Excellent

Lead Sulfamate	B-Good
Ligroin	N/A
Lime	B-Good
Linoleic Acid	A2-Excellent
Lithium Chloride	D-Severe Effect
Lithium Hydroxide	N/A
Lubricants	B2-Good
Lye: Ca(OH) <sub>2</sub> Calcium Hydroxide	B2-Good
Lye: KOH Potassium Hydroxide	B-Good
Lye: NaOH Sodium Hydroxide	A-Excellent
Magnesium Bisulfate	A2-Excellent
Magnesium Carbonate	B-Good
Magnesium Chloride	B-Good
Magnesium Hydroxide	A2-Excellent
Magnesium Nitrate	A2-Excellent
Magnesium Oxide	N/A
Magnesium Sulfate (Epsom Salts)	A1-Excellent
Maleic Acid	A2-Excellent
Maleic Anhydride	N/A
Malic Acid	A2-Excellent
Manganese Sulfate	C-Fair
Mash	N/A
Mayonnaise	D-Severe Effect
Melamine	D-Severe Effect
Mercuric Chloride (dilute)	A-Excellent
Mercuric Cyanide	A-Excellent
Mercurous Nitrate	A-Excellent
Mercury	A-Excellent
Methane	B-Good
Methanol (Methyl Alcohol)	A1-Excellent
Methyl Acetate	D-Severe Effect
Methyl Acetone	D-Severe Effect
Methyl Acrylate	N/A
Methyl Alcohol 10%	A1-Excellent
Methyl Bromide	D-Severe Effect
Methyl Butyl Ketone	A-Excellent
Methyl Cellosolve	D-Severe Effect
Methyl Chloride	D-Severe Effect
Methyl Dichloride	A-Excellent
Methyl Ethyl Ketone	D-Severe Effect
Methyl Ethyl Ketone Peroxide	N/A
Methyl Isobutyl Ketone	D-Severe Effect

Methyl Isopropyl Ketone	D-Severe Effect
Methyl Methacrylate	A-Excellent
Methylamine	D-Severe Effect
Methylene Chloride	D-Severe Effect
Milk	A2-Excellent
Mineral Spirits	A-Excellent
Molasses	A-Excellent
Monochloroacetic acid	N/A
Monoethanolamine	D-Severe Effect
Morpholine	N/A
Motor oil	B-Good
Mustard	B-Good
Naphtha	A1-Excellent
Naphthalene	D-Severe Effect
Natural Gas	A-Excellent
Nickel Chloride	A-Excellent
Nickel Nitrate	A-Excellent
Nickel Sulfate	A-Excellent
Nitrating Acid (<15% HNO3)	D-Severe Effect
Nitrating Acid (>15% H2SO4)	D-Severe Effect
Nitrating Acid (S1% Acid)	D-Severe Effect
Nitrating Acid (S15% H2SO4)	D-Severe Effect
Nitric Acid (20%)	A1-Excellent
Nitric Acid (50%)	B1-Good
Nitric Acid (5-10%)	A1-Excellent
Nitric Acid (Concentrated)	B1-Good
Nitrobenzene	D-Severe Effect
Nitrogen Fertilizer	N/A
Nitromethane	B2-Good
Nitrous Acid	A-Excellent
Nitrous Oxide	A-Excellent
Oils:Aniline	D-Severe Effect
Oils:Anise	N/A
Oils:Bay	N/A
Oils:Bone	N/A
Oils:Castor	A-Excellent
Oils:Cinnamon	D-Severe Effect
Oils:Citric	B-Good
Oils:Clove	N/A
Oils:Coconut	A1-Excellent
Oils:Cod Liver	A1-Excellent
Oils:Corn	B-Good

Oils:Cottonseed	B2-Good
Oils:Creosote	C-Fair
Oils:Diesel Fuel (20, 30, 40, 50)	B-Good
Oils:Fuel (1, 2, 3, 5A, 5B, 6)	A2-Excellent
Oils:Ginger	N/A
Oils:Hydraulic Oil (Petro)	A-Excellent
Oils:Hydraulic Oil (Synthetic)	A-Excellent
Oils:Lemon	N/A
Oils:Linseed	A2-Excellent
Oils:Mineral	B-Good
Oils:Olive	C-Fair
Oils:Orange	C1-Fair
Oils:Palm	A-Excellent
Oils:Peanut	A1-Excellent
Oils:Peppermint	N/A
Oils:Pine	D-Severe Effect
Oils:Rapeseed	N/A
Oils:Rosin	C1-Fair
Oils:Sesame Seed	A-Excellent
Oils:Silicone	A-Excellent
Oils:Soybean	A1-Excellent
Oils:Sperm (whale)	N/A
Oils:Tanning	N/A
Oils:Transformer	B-Good
Oils:Turbine	A1-Excellent
Oleic Acid	C2-Fair
Oleum 100%	D-Severe Effect
Oleum 25%	D-Severe Effect
Oxalic Acid (cold)	B-Good
Ozone	B-Good
Palmitic Acid	B1-Good
Paraffin	B-Good
Pentane	A-Excellent
Perchloric Acid	C-Fair
Perchloroethylene	C1-Fair
Petrolatum	B-Good
Petroleum	N/A
Phenol (10%)	C1-Fair
Phenol (Carbolic Acid)	D-Severe Effect
Phosphoric Acid (>40%)	B-Good
Phosphoric Acid (crude)	B2-Good
Phosphoric Acid (molten)	D-Severe Effect



Phosphoric Acid (S40%)	B-Good
Phosphoric Acid Anhydride	N/A
Phosphorus	A1-Excellent
Phosphorus Trichloride	D-Severe Effect
Photographic Developer	A-Excellent
Photographic Solutions	A-Excellent
Phthalic Acid	N/A
Phthalic Anhydride	D-Severe Effect
Picric Acid	D-Severe Effect
Plating Solutions, Antimony Plating 130°F	A-Excellent
Plating Solutions, Arsenic Plating 110°F	A-Excellent
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	A-Excellent
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	A-Excellent
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	A-Excellent
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	D-Severe Effect
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	A-Excellent
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	A-Excellent
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	A-Excellent
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	A-Excellent
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	A-Excellent
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	A-Excellent
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	A-Excellent
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	A-Excellent
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	A-Excellent
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	A-Excellent
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	A-Excellent
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	D-Severe Effect
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	D-Severe Effect
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	A-Excellent
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	A-Excellent
Plating Solutions, Gold Plating: Acid 75°F	A-Excellent
Plating Solutions, Gold Plating: Cyanide 150°F	D-Severe Effect
Plating Solutions, Gold Plating: Neutral 75°F	A-Excellent
Plating Solutions, Indium Sulfamate Plating R.T.	A-Excellent
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	D-Severe Effect

Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	D-Severe Effect
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	D-Severe Effect
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	D-Severe Effect
Plating Solutions, Iron Plating: Sulfamate 140°F	A-Excellent
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	D-Severe Effect
Plating Solutions, Lead Fluoborate Plating	A-Excellent
Plating Solutions, Nickel Plating: Electroless 200°F	D-Severe Effect
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	A-Excellent
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	D-Severe Effect
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	A-Excellent
Plating Solutions, Nickel Plating: Watts Type 115-160°F	D-Severe Effect
Plating Solutions, Rhodium Plating 120°F	A-Excellent
Plating Solutions, Silver Plating 80-120°F	A-Excellent
Plating Solutions, Tin-Fluoborate Plating 100°F	A-Excellent
Plating Solutions, Tin-Lead Plating 100°F	A-Excellent
Plating Solutions, Zinc Plating: Acid Chloride 140°F	A-Excellent
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.	A-Excellent
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	D-Severe Effect
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.	A-Excellent
Potash (Potassium Carbonate)	A-Excellent
Potassium Bicarbonate	A-Excellent
Potassium Bromide	A-Excellent
Potassium Chlorate	A-Excellent
Potassium Chloride	A-Excellent
Potassium Chromate	A-Excellent
Potassium Cyanide Solutions	A-Excellent
Potassium Dichromate	A-Excellent
Potassium Ferricyanide	A-Excellent
Potassium Ferrocyanide	A-Excellent
Potassium Hydroxide (Caustic Potash)	A1-Excellent
Potassium Hypochlorite	B1-Good
Potassium Iodide	A2-Excellent
Potassium Nitrate	A-Excellent
Potassium Oxalate	N/A
Potassium Permanganate	A1-Excellent
Potassium Sulfate	A2-Excellent
Potassium Sulfide	A2-Excellent
Propane (liquefied)	A1-Excellent
Propylene	B1-Good
Propylene Glycol	C1-Fair
Pyridine	D-Severe Effect
Pyrogallic Acid	A-Excellent

Resorcinol	C-Fair
Rosins	C1-Fair
Rum	A-Excellent
Rust Inhibitors	N/A
Salad Dressings	N/A
Salicylic Acid	B1-Good
Salt Brine (NaCl saturated)	A-Excellent
Sea Water	A2-Excellent
Shellac (Bleached)	N/A
Shellac (Orange)	N/A
Silicone	A-Excellent
Silver Bromide	N/A
Silver Nitrate	A1-Excellent
Soap Solutions	A-Excellent
Soda Ash (see Sodium Carbonate)	A-Excellent
Sodium Acetate	B1-Good
Sodium Aluminate	N/A
Sodium Benzoate	B1-Good
Sodium Bicarbonate	A2-Excellent
Sodium Bisulfate	A2-Excellent
Sodium Bisulfite	A2-Excellent
Sodium Borate (Borax)	A2-Excellent
Sodium Bromide	B2-Good
Sodium Carbonate	A2-Excellent
Sodium Chlorate	A1-Excellent
Sodium Chloride	A2-Excellent
Sodium Chromate	N/A
Sodium Cyanide	A2-Excellent
Sodium Ferrocyanide	A-Excellent
Sodium Fluoride	A2-Excellent
Sodium Hydrosulfite	C-Fair
Sodium Hydroxide (20%)	A-Excellent
Sodium Hydroxide (50%)	A-Excellent
Sodium Hydroxide (80%)	A-Excellent
Sodium Hypochlorite (<20%)	A-Excellent
Sodium Hypochlorite (100%)	B-Good
Sodium Hyposulfate	N/A
Sodium Metaphosphate	A-Excellent
Sodium Metasilicate	A-Excellent
Sodium Nitrate	A2-Excellent
Sodium Perborate	A2-Excellent
Sodium Peroxide	B2-Good

Sodium Polyphosphate	A1-Excellent
Sodium Silicate	A2-Excellent
Sodium Sulfate	A2-Excellent
Sodium Sulfide	A2-Excellent
Sodium Sulfite	A2-Excellent
Sodium Tetraborate	A2-Excellent
Sodium Thiosulfate (hypo)	A2-Excellent
Sorghum	N/A
Soy Sauce	N/A
Stannic Chloride	A2-Excellent
Stannic Fluoborate	N/A
Stannous Chloride	A1-Excellent
Starch	A-Excellent
Stearic Acid	B2-Good
Stoddard Solvent	C1-Fair
Styrene	D-Severe Effect
Sugar (Liquids)	N/A
Sulfate (Liquors)	B-Good
Sulfur Chloride	C1-Fair
Sulfur Dioxide	A1-Excellent
Sulfur Dioxide (dry)	A2-Excellent
Sulfur Hexafluoride	B-Good
Sulfur Trioxide	A-Excellent
Sulfur Trioxide (dry)	A1-Excellent
Sulfuric Acid (<10%)	A1-Excellent
Sulfuric Acid (10-75%)	A1-Excellent
Sulfuric Acid (75-100%)	D-Severe Effect
Sulfuric Acid (cold concentrated)	D-Severe Effect
Sulfuric Acid (hot concentrated)	D-Severe Effect
Sulfurous Acid	A2-Excellent
Sulfuryl Chloride	N/A
Tallow	N/A
Tannic Acid	A1-Excellent
Tanning Liquors	A1-Excellent
Tartaric Acid	A1-Excellent
Tetrachloroethane	C-Fair
Tetrachloroethylene	D-Severe Effect
Tetrahydrofuran	D-Severe Effect
Tin Salts	A-Excellent
Toluene (Toluol)	D-Severe Effect
Tomato Juice	A-Excellent
Trichloroacetic Acid	B-Good

Trichloroethane	C-Fair
Trichloroethylene	D-Severe Effect
Trichloropropane	N/A
Tricresylphosphate	D-Severe Effect
Triethylamine	B-Good
Trisodium Phosphate	A-Excellent
Turpentine	D-Severe Effect
Urea	D-Severe Effect
Uric Acid	A-Excellent
Urine	A-Excellent
Varnish	D-Severe Effect
Vegetable Juice	N/A
Vinegar	B-Good
Vinyl Acetate	D-Severe Effect
Vinyl Chloride	D-Severe Effect
Water, Acid, Mine	B-Good
Water, Deionized	A2-Excellent
Water, Distilled	A2-Excellent
Water, Fresh	B-Good
Water, Salt	B-Good
Weed Killers	N/A
Whey	N/A
Whiskey & Wines	A2-Excellent
White Liquor (Pulp Mill)	A2-Excellent
White Water (Paper Mill)	A-Excellent
Xylene	D-Severe Effect
Zinc Chloride	B-Good
Zinc Hydrosulfite	N/A
Zinc Sulfate	A2-Excellent