

# CHEMICAL COMPATIBILITY CHART

## Metallic Materials Used in Bal Seal Products

**Technical Report**  
**TR-60C (Rev. Ø; 5-28-99)**  
(100-61-3) (100-61-4) (100-27) (100-27-1) (100-27-2) (DE-72 spec.)



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PATENTS: The items described in this report includes products that are the subject of the following United States patents: 5,979,904, 5994,856, 6050,572, 5984,316, 6,161,838, and others, as well as foreign patents or products where patents are pending. Other patents pending. LE88A, Rev. L.  
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## 1.0 DISCUSSION

These tables list the chemical compatibility chart of various metallic materials as used in Bal Seal products at ambient temperatures, 70°F (23°C). This data has been compiled from literature published by various material suppliers. It is given as background information only. In any given case, factors such as concentration, temperature, degree of agitation and presence of impurities influence the rate of corrosion. The user, through his own testing and evaluation, must determine the suitability of the material for the application.

## 2.0 GUIDE TO COMPATIBILITY KEY

- A = Acceptable  
Q = Questionable – The Bal Seal material has limited resistance to this chemical; use of the material depends on the conditions of the application.  
NR = Not Recommended – The Bal Seal material is not compatible with this chemical; its use is not recommended.  
NA = Not Available – Chemical compatibility information is not available at this time.  
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## 3.0 CHEMICAL COMPATIBILITY GUIDE FOR METALLIC MATERIALS

In addition to this chemical compatibility chart, report TR-60C, Bal Seal has two other reports: report TR-60A “Chemical Compatibility Guide for Bal Seal PTFE, Filled PTFE, and Polyethylene Seal Materials,” and report TR-60B “Chemical Resistance to Typical [*HPLC High Pressure Liquid Chromatography*] Solutions, Using Typical Bal Seal Products Used in Such Applications.” Consult the Technical Sales Department for further details or materials not listed.

CHEMICAL	FERROUS METAL Corrosion Resistant Materials						NON-FERROUS METALS						
	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Acetaldehyde	A	A	A	A	A	A	NR	Q	Q	Q	NA	NR	NR
Acetate Solvents	A	A	A	A	A	A	NR	A	A	A	A	A	A
Acetic Anhydride	A	A	A	A	A	A	NR	Q	Q	Q	A	NR	NR
Acetone, Dry	A	A	A	A	A	A	A	A	A	A	A	A	A
Acetonitrile	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA
Acetylene Gas	A	A	A	A	A	A	A	A	A	A	A	A	A
Acid, Acetic (Ethanoic Acid)	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Acid, Acetic and Propionic	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA
Acid, Arsenic, Ortho-	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Benzoic	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Acid, Boric	Q	Q	A	A	A	A	Q	Q	Q	Q	A	A	A
Acid, Butyric (Butanoic Acid)	Q	Q	A	A	A	A	NR	A	A	A	A	A	A
Acid, Carbolic (Phenol)	Q	Q	A	A	A	A	NR	A	A	A	A	A	A
Acid, Carbonic, Aqueous	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Acid, Chloroacetic	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Chlorosulphonic	Q	Q	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Chromic, Aqueous	Q	Q	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Citric, Aqueous	Q	Q	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Coconut, Fatty	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Cresylic	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Cresylic (Alkyl Phenols)	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Fatty, Oleic	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Acid, Formic (Methanoic Acid)	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Fruit	Q	Q	A	A	A	A	A	A	A	A	A	A	A
Acid, Hydrobromic	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Hydrochloric (Hydrogen Chloride)	NR	NR	A	NR	Q	A	NR	NR	NR	NR	A	A	A
Acid, Hydrocyanic (Prussic)	A	A	A	A	A	A	NR	A	A	A	A	A	A
Acid, Hydrofluoric, Aqueous (HF Acid)	NR	NR	A	NR	Q	A	NA	NA	NA	NA	NA	NA	NA

A = ACCEPTABLE • Q = QUESTIONABLE • NR = NOT RECOMMENDED • NA = NOT AVAILABLE

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CHEMICAL	FERROUS METAL Corrosion Resistant Materials						NON-FERROUS METALS						
	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Acid, Hydrofluosilicic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Hypochlorous	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Lactic	A	A	A	A	A	A	NR	A	A	A	A	A	A
Acid, Maleic	A	A	A	A	A	A	Q	Q	Q	Q	A	A	A
Acid, Mine Water	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Mixed, Sulphuric And Nitric	NR	NR	A	NR	Q	A	NR	NR	NR	NR	A	A	A
Acid, Monochloro Acetic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Muriatic	NR	NR	A	NR	Q	A	NR	NR	NR	NR	NR	NR	NR
Acid, Napthenic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Nitric 65%	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Nitric 100%	NR	NR	A	NR	Q	A	A	Q	Q	Q	A	A	A
Acid, Nitric (Fuming)	NR	NR	A	NR	Q	A	NA	NA	NA	NA	NA	NA	NA
Acid, Oleic	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Acid, Ortho-Phosphoric	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Oxalic (Ethanedioic Acid)	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Palmitic (Hexadecanoic Acid)	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Acid, Phosphoric	NR	NR	A	NR	Q	A	NR	A	Q	A	NA	NR	NR
Acid, Picric, (Aqueous)	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Picric, Molten	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Pyroligneous	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Stearic And Oleic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Stearic (Octadecanoic Acid)	A	A	A	A	A	A	NR	A	A	A	A	A	A
Acid, Sulfonic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Sulfuric	NR	NR	NR	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Sulfuric, Fuming (Oleum)	NR	NR	NR	Q	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Sulfurous, Wet	NR	NR	NR	Q	A	A	NA	NA	NA	NA	NA	NA	NA
Acid, Tannic	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Acid, Tartaric, Aqueous	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Acid, Terephthalic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	A	A	A	A	A	A	A	Q	Q	Q	NA	NR	NR
Aldehyde	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkanes	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkali metals	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkali Metals (Molten, i.e. Elevated Temperatures)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkyl Benzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkyl Chloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkylate, Light	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alkyl-Arylsulphonics	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Allyl Acetone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Allyl Alcohol	A	A	A	A	A	A	Q	Q	Q	Q	A	A	A
Allyl amine	A	A	A	A	A	A	Q	A	A	A	A	A	A
Alpha Picoline	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Alum Solution	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Aluminum Chloride	A	A	A	A	A	A	NR	Q	Q	Q	A	Q	Q
Aluminum Sulphate, Aqueous	A	A	A	A	A	A	NR	Q	Q	Q	A	NR	NR
Aluminum Hydroxide (Boehmite)	A	A	A	A	A	A	NA	NA	NA	NA	A	A	A
Amine, Fat Condensate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ammonia, Anhydrous	A	A	A	A	A	A	A	Q	Q	Q	A	NR	NR
Ammonia, Aqua	A	A	A	A	A	A	A	Q	Q	Q	NA	NR	Q
Ammonia, Gas (Dry)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ammonium Bicarbonate (Aqueous)	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Ammonium Bifluoride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ammonium Carbonate	A	A	A	A	A	A	Q	Q	Q	Q	A	Q	Q
Ammonium Chloride (Sal Ammoniac)	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Ammonium Hydroxide	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Ammonium Nitrate	A	A	A	A	A	A	NR	Q	Q	Q	A	NR	NR

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Ammonium Phosphate (Di-Basic)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ammonium Phosphate (Mono-Basic)	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Ammonium Phosphate (Tri-Basic)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ammonium Sulphate (Aqueous)	A	A	A	A	A	A	NR	Q	Q	Q	A	A	A
Ammonium Thiocyanate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Amyl Acetate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Amyl Alcohol	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Amyl Nitrate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Aniline Hydrochloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Aniline (Aminobenzene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Anti-Freeze (Water, Alcohol or Glycol)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Aqua Regia	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Argon Gas	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Arochlor 1248	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Aromatic Fuels	A	A	A	A	A	A	A	NA	NA	NA	A	A	A
Asphalt	A	A	A	A	A	A	Q	NR	NR	NR	NA	NA	NA
Barium Chloride (Aqueous)	A	A	A	A	A	A	NR	NR	NR	NR	A	Q	Q
Barium Nitrate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Beer	Q	Q	A	A	A	A	NR	A	A	A	NA	Q	Q
Beer Wort	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Beet Juice	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Beet Pulp	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Beet Sugar Solution	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Benzene (Coal Tar Product) (Benzol)	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Benzine (Petroleum Product)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Benzol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bichloride of Mercury	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Bittern	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Black Liquor	Q	Q	A	A	A	A	NR	NR	NA	NR	NA	NR	NR
Bleach Solutions	Q	Q	A	A	A	A	NA	NA	NR	NA	NA	NA	NA
Bleaching Liquor	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Blood	NR	NR	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Boiler Feed Water	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bonderite Solution	Q	Q	Q	Q	Q	Q	NA	NA	NA	NA	NA	NA	NA
Borax Sol. (Sodium Tetraborate)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Boron Trichloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Brine, Calcium PH8	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Brine, Calcium And Magnesium Chloride	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Brine, Sea Water	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Brine, Sodium Chloride	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bromine Fumes	NR	NR	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bromine Liquid	NR	NR	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bromine, Wet	NR	NR	A	A	A	A	NR	NR	NR	NR	A	Q	Q
Bromo Methane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Bunker C Fuel Oil	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Butadiene	A	A	A	A	A	A	Q	A	A	A	NA	NR	NR
Butane (LPG)	A	A	A	A	A	A	Q	A	A	A	A	A	A
Butanol-1	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Butanol-2	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Butyl Acetate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Butyl Alcohol (Butanol)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Butylamine	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Butyl Phthalate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Butylene (Butene)(Ethylethylene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Calcium Bisulphite	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Calcium Carbonate (Aragonite)	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Calcium Chlorate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Calcium Chloride (Wet)	NR	NR	A	A	A	A	NR	NR	NR	NR	A	Q	Q
Calcium Hydroxide (Aqueous) (Lime Water)	Q	Q	A	A	A	A	NR	NR	NR	NR	A	A	A
Calcium Hypochlorite	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Calcium Magnesium Chloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Calcium Phosphate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cane Juice	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Carbon Bisulphide	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Carbon Dioxide (Dry)	A	A	A	A	A	A	A	NQ	Q	Q	NA	A	A
Carbon Dioxide (Wet)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Carbon Disulphide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Carbon Monoxide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride (Anhydrous)	Q	Q	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Carbonate of Soda (Aqueous)	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Catsup	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Caustic Cyanogen	NR	NR	NR	A	A	A	NA	NA	NA	NA	NA	NA	NA
Caustic Manganese	NA	NA	NR	A	A	A	NA	NA	NA	NA	NA	NA	NA
Caustic Potash (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Caustic Soda (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chloride of Lime	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chlorinated Solvents (Dry)	Q	Q	A	A	A	A	NR	NR	NR	NR	A	A	A
Chlorinated Solvents (Wet)	Q	Q	A	A	A	A	A	A	A	A	NA	NR	NR
Chlorine (Dry)	Q	Q	A	A	A	A	Q	A	A	A	A	A	Q
Chlorine (Wet)	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chlorine Trifluoride	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chlorine Trifluoride (Elevated Temperature)	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chloroacetone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Chlorobenzene	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Chloroform	A	A	A	A	A	A	Q	NR	NR	NR	A	Q	Q
Chloronaphthalene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chloropicrin	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chrome Alum	A	A	A	A	A	A	Q	NR	NR	NR	NA	NR	NR
Chromic Oxide (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Chromium Potassium Sulphate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cocoa Butter	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Coconut Oil	Q	Q	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Cod liver Oil	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Condensate (Water)	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Copper Acetate (Blue Verdigris)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Copper Ammonium Acetate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Copper Chloride	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Copper Cyanide	A	A	A	A	A	A	NA	NA	NA	NA	A	NA	NA
Copper Nitrate	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Copper Sulphate (Blue Vitriol) (Aqueous)	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Copperas (Green)	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA
Corn Oil	Q	Q	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Cottonseed Oil	Q	Q	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Creosote (Coal Tar)	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Cresol, Meta	A	A	A	A	A	A	A	A	A	A	A	A	A
Crude Oil	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Cupric Sulphate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cupros Ammonia Acetate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cutting Oil	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cyanogen in Water	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Cyclohexane (Hexahydrobenzene)	A	A	A	A	A	A	A	A	A	A	A	A	A

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CHEMICAL	FERROUS METAL Corrosion Resistant Materials						NON-FERROUS METALS						
	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Cyclohexene (Tetrahydrobenzene)	A	A	A	A	A	A	A	A	A	A	A	A	A
Cyclohexanone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
DDT Solution (Kerosene Solv.)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
DDT Solution (Toluene Solv.)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
De-Butanizer Reflux	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
De-Ethanizer Charge	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
De-Propanizer Reflux	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diacetone Alcohol	A	A	A	A	A	A	A	A	A	A	NA	A	A
Dibromoethyl Benzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dibutyl Amine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dibutyl Cellusolve Adipate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dibutyl Phthalate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dibutyl Ether	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dichloroethane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diesel Fuel	A	A	A	A	A	A	A	A	A	A	NA	A	A
Diethanolamine (DEA)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diethyl Carbonate (Ethyl Carbonate)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diethyl Ether	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diethylene Glycol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diethylenetriamine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dimethyl Formaldehyde	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dimethyl Formamide (DMF)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dimethyl Hydrazine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	A	A	A	A	A	A	A	A	A	A	NA	NA	NA
Dimethyl Sulfoxide	A	A	A	A	A	A	NA	A	A	A	A	A	NA
Dimethyl Terephthalate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dinitrochloro Benzene and Styrene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Dinitrochloro Benzene (DNCB)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dinitrotoluene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diocetyl-Amine	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Diocetyl Phthalate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dioxane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Diphenyl	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dish Water	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Di-Isobutyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Di-Isopropyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dow Corning Silicone Fluid	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Dowtherm "A" (Dry)	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Dowtherm "E" (Dry)	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Ethane	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Ethanol Amine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethanol (Ethyl Alcohol)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ether	A	A	A	A	A	A	A	A	A	A	A	Q	Q
Ethyl Acetate	A	A	A	A	A	A	Q	Q	Q	Q	NA	NR	NR
Ethyl Acrylate	A	A	A	A	A	A	NR	NR	NR	NR	NA	Q	Q
Ethyl Benzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Benzoate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl cellosolve	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride (Dry)(Chloroethane)	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Ethyl Chlorocarbonate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloroformate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Chlorohydrin	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Ether (Ethyl Oxide)	A	A	A	A	A	A	NA	A	A	A	NA	Q	Q
Ethyl Formate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethyl Hexanol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Ethyl Pyridine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethylene (Ethene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ethylene Chloride (Ethylene Dichloride)	A	A	A	A	A	A	NA	NA	NA	NA	A	NA	NA
Ethylene Glycol	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Ethylene Oxide	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Ethylene Trichloride	A	A	A	A	A	A	A	A	A	A	A	NR	NR
Ferric Chloride (Aqueous)	Q	Q	A	A	A	Q	NR	NR	NR	NR	A	NR	NR
Ferric Sulphate (Aqueous)	A	A	A	A	A	A	NR	NR	NR	NR	A	A	A
Fluorine	NR	NR	NR	Q	A	A	NA	NA	NA	NA	NA	NA	NA
Fluorine (Elevated Temperature)	NR	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA
Fluorolube	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Formaldehyde (Methanal)	A	A	A	A	A	A	A	A	A	A	A	A	A
Formalin	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 11 and Refrig. Oil	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 12	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 22	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 113	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 114	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freon 121	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Freons, Liquid	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Fruit Juices	Q	Q	A	A	A	A	NR	A	Q	A	NA	NR	NR
Fuel Oil	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Fuel Oil, #6	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Fuel Oil, Acidic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Furfural	A	A	A	A	A	A	A	A	A	A	NA	A	A
Gas Oil	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Gasoline 100 , and 130 OCT.	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Gasoline, Aromatic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Gasoline, High Test W/ Mercaptan, H2s	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Gelatin	Q	Q	A	A	A	A	NR	A	A	A	NA	A	A
Glaubers Salt (Aqueous)(Sodium Sulfate)	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Glucose	Q	Q	A	A	A	A	Q	A	A	A	NA	A	A
Glue	A	A	A	A	A	A	A	A	A	A	A	Q	Q
Glue Sizing	A	A	A	A	A	A	Q	NA	NA	NA	NA	NA	NA
Glycerine (Glycerol)	A	A	A	A	A	A	Q	A	A	A	A	Q	Q
Glycols	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Glyme	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Grape Juice	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Grease	A	A	A	A	A	A	A	A	A	A	NA	Q	Q
Green Sulphate Liquor	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Helium	A	A	A	A	A	A	NA	NA	NA	NA	NA	A	A
Heptane	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Hexachloroacetone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Hexane	A	A	A	A	A	A	NA	NA	NA	NA	NA	A	A
Hexene (Butylethylene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	A	A
Hexone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Hexyl alcohol (Hexanol)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Hydrazine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Hydrogen Fluoride (HF Acid) Anhydrous	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Hydrogen Peroxide	A	A	A	A	A	A	NR	A	A	A	A	Q	Q
Hydrogen Sulphide (Dry)	Q	Q	Q	A	A	A	NR	Q	Q	Q	NA	NR	NR
Hydrogen Sulphide (Wet)	Q	Q	Q	A	A	A	NR	NR	NR	NR	A	NR	NR
Ink	A	A	A	A	A	A	Q	NR	NR	NR	NA	Q	Q
Insecticides (Aromatic)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Insecticides (Nonaromatic)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Iodine (Wet)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Iodoform	A	A	A	A	A	A	Q	NR	NR	NR	NA	NR	NR
Isobutane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isobutyl Alcohol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isobutyl Methyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isobutylene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isooctane	A	A	A	A	A	A	A	A	A	A	NA	A	A
Isododecane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopentane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropanol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropylacetate	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Isopropylacetone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropyl Alcohol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropylamine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropylchloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Isopropyl Ether	A	A	A	A	A	A	A	A	A	A	NA	A	A
Isohexanes	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Jet fuel JP-3	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Jet fuel JP-4	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Jet fuel JP-5	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Jet fuel JP-6	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Jet fuel JP-X	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Kerosene	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Ketones	A	A	A	A	A	A	A	A	A	A	NA	A	A
Lacquer (MEK Solv.)	A	A	A	A	A	A	NR	A	A	A	NA	A	A
Lard (Animal Fat)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Latex	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lavender Oil	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lead Acetate	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Lead Sulphamate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lead Nitrate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lime Bleach	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lime Water (Calcium Hydroxide)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lindol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Linseed Oil	A	A	A	A	A	A	A	A	A	A	A	Q	Q
Liquid Oxygen	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Liquid Petroleum Gas (LPG)	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Liquor, Pulpmill	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lithium	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lithium (Elevated Temperature)	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lithium Bromine Brine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Lithium Chloride (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Magnesium Chloride (Bischofite)	A	A	A	A	A	A	Q	A	A	A	A	A	NR
Mag-nesium Hydroxide (Brucite)	A	A	A	A	A	A	A	A	A	A	NA	NA	Q
Magnesium Nitrate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Magnesium Sulphate (Epsom Salt) (Aqueous)	A	A	A	A	A	A	Q	Q	Q	Q	A	Q	Q
Magnesium Sulphite (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Maleic Anhydride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Maleic Hydrazide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Manganese Chloride (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Manganese Sulphate (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Marsh, Anti-Biotic Fermentation, No Solv.	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Marsh, With Solvent	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mayonnaise	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
MEA (Mono-Exhanol-Amine)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Melamine Resins	A	A	A	A	A	A	NR	Q	Q	Q	NA	NR	NR
Mercaptan	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Mercuric Chloride	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Mercury	A	A	A	A	A	A	A	NR	NR	NR	A	NR	NR
Mercury Salts	A	A	A	A	A	A	NA	NR	NR	NR	NA	NR	NR
Mercury Vapors	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mesityl Oxide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methane (Marsh Gas)	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Methanol (Methyl Alcohol)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Methyl Acrylate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide (Bromomethane)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Butyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Cellosolve	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Methyl Chloride (Chloromethane)(Anhydrous)	A	A	A	A	A	A	Q	NR	NR	NR	NA	A	A
Methyl Chlorosilanes	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Cyclopentane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Dichloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Ether	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone(MEK)	A	A	A	A	A	A	A	A	A	A	NA	A	A
Methyl Formate	A	A	A	A	A	A	NR	NR	NR	NR	NA	A	A
Methyl Isobutyl Ketone	A	A	A	A	A	A	A	A	A	A	NA	NA	NA
Methyl Isopropyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl N-Propyl Ketone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl T-Butyl Ether	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methyl Pyrrolidone	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Methylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride (Dichloromethane)	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Milk	A	A	A	A	A	A	NR	A	A	A	NA	A	A

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CHEMICAL	FERROUS METAL Corrosion Resistant Materials						NON-FERROUS METALS						
	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Milk of Lime	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil O-8515	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil O-8200 (Hydr)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil F-25558 (RJ-1)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil H-5606 (HFA)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil H-5606 (J43)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mil L-7808	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Mine water	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Mineral spirits	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Miscella (20% soya oil)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Molasses	Q	Q	A	A	A	A	A	A	A	A	NA	A	A
Mono Ethanolamine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Monochlorobenzene	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Mustard	Q	Q	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Naphtha	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Naphtha, Crude	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Naphthalene	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Natural Gas Liquid	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Neatsfoot Oil	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Nickel Acetate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Nickel Chloride	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Nickel Cobalt Sulphate, 5% H2SO4	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Nickel Salt	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Nickel Sulphate	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Nitrobenzene	A	A	A	A	A	A	A	A	A	A	NA	NR	NR
Nirtrobenzine	A	A	A	A	A	A	Q	NR	NR	NR	A	A	A
Nitrochloroform	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Nitroethane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Nitrogen Gas	A	A	A	A	A	A	A	A	A	A	NA	A	A
Nitromethane	A	A	A	A	A	A	NA	A	A	A	A	A	NA
Nitropropane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oakite	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil and Ammonia	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Animal, Bone	Q	Q	A	A	A	A	A	A	A	A	NA	A	A
Oil, Animal, Cod	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Animal, Lard	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Animal, Menhadden	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Animal, Neatsfoot	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Animal, Whale	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Bunker "C"	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Coal Tar	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oil, Creosote, Sweet	A	A	A	A	A	A	NA	NA	NA	NA	NA	A	A
Oil, Crude, Sweet	A	A	A	A	A	A	NA	NA	NA	NA	NA	A	A
Oil, Diesel, #2D	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Diesel, #3D	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Diesel, #4D	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Diesel, #5D	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Essential	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #10	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #20	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #30	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #9170	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #9250	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #9370	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. #9500	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. spec. SAE 140	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Oil, Fed. Spec. SAE 20	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. SAE 250	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. SAE 30	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. SAE 40	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. SAE 50	A	A	A	A	A	A	A	A	Q	A	NA	A	A
Oil, Fed. Spec. SAE 60	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fed. Spec. SAE 70	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, fed. Spec. SAE 90	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #1	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #2	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #3	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #5A	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #5B	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Fuel #6	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Insulating	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Kerosene	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Lean	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Linseed	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Lubricating Diesel #9110	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Lubricating #8	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Mineral Lard Cutting, Fed. Spec. #1	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Mineral Lard Cutting, Fed. Spec. #2	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Mineral SAE 10	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Navy Spec., Navy II	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Quenching	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Rich	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Turbine Lube	A	A	A	A	A	A	A	NA	NA	NA	NA	A	A
Oil, Vegetable, Castor	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Oil, Vegetable, Chinawood	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Coconut	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Corn	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Cottonseed	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Linseed	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Olive	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Palm	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Peanut	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Rape seed	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, vegetable, Rosin	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Sesame	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oil, Vegetable, Soya Bean	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Olefin, Crude	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NR	NR
Oleums	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Ortho-Dichlorobenzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Ortho-Xylene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
OS 45 Type IV	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Oxygen, Liquid	A	A	A	A	A	A	NR	A	A	A	NA	A	A
Paracymene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Paraffin, Liquid	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Pectin, Liquor	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Penicillin, Liquid	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Pentachlorophenol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Pentane	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Pentasol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Perchloroethylene	A	A	A	A	A	A	Q	A	A	A	NA	NR	NR
Petrolatum	A	A	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Petroleum Ether	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Phenol (Carbolic Acid)	A	A	A	A	A	A	NA	A	A	A	A	Q	Q
Phenol, Formaldehyde Mix	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Phosphorous Trichloride (Dry)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Photographic Developers	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Phthalic Anhydride	A	A	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Phthalic Esters	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Plasticizer	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Plating Solutions, Chrome	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Plating Solutions, Others	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Poly Glycols	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Poly Vinyl Acetate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Polyester Resins	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Potash alum (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Potash sulphide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Potash (Plant Liquor)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Potassium	Q	Q	Q	Q	Q	Q	NA	NA	NA	NA	NA	NA	NA
Potassium (Elevated Temperature)	Q	Q	Q	Q	Q	Q	NA	NA	NA	NA	NA	NA	NA
Potassium, Bicarbonate	A	A	A	A	A	A	A	A	A	A	NA	NA	NA
Potassium, Bichromate (aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Potassium Bromide	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Potassium Carbonate (aqueous)	A	A	A	A	A	A	Q	NR	NR	NR	NA	Q	Q
Potassium Chlorate	A	A	A	A	A	A	Q	NR	NR	NR	NA	Q	Q
Potassium Chloride (Aqueous)(Sylvite)	A	A	A	A	A	A	Q	Q	Q	Q	A	Q	Q
Potassium Cyanides (Aqueous)	A	A	A	A	A	A	NR	Q	Q	Q	NA	NR	NR
Potassium Dichromate	A	A	A	A	A	A	NR	A	A	A	A	NR	NR
Potassium Hydroxide (Aqueous)	A	A	A	A	A	A	NA	A	A	A	A	A	A
Potassium Nitrate (Aqueous)(Saltpeter)	A	A	A	A	A	A	Q	Q	Q	Q	A	A	A
Potassium Perfluoro Acetate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Potassium Permanganate	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Potassium Phosphate	A	A	A	A	A	A	Q	A	A	A	A	A	A
Potassium Sulphate (Aqueous)(Arconite)	A	A	A	A	A	A	A	A	A	A	A	Q	Q
Propane	A	A	A	A	A	A	Q	A	A	A	NA	A	A
Propanol-1	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propanol-2	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propiolactone, Beta	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propionaldehyde (Propanal)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propylene Carbonate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propylene Dichloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propylene Glycol	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Propylene Oxide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Propylene (Propene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Pseudocumene	NA	NA	NAN	NA	NA	NA	NR	A	Q	A	NA	NR	NR
Pyridine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Raffinate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Rosin	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sal Ammoniac (Ammonium chloride)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Salt Cake	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Salt Cake (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Salt Water	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sea Water	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Sewage	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Silicone Oils and Greases	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Silver Nitride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Skydrol 500	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Skydrol 7000	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Soap, Liquors	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Soap, Solutions	A	A	A	A	A	A	A	NR	NR	NR	NA	A	A
Soda Ash	Q	Q	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium	NR	NR	NR	Q	A	NA	NA	NA	NA	NA	NA	NA	NA
Sodium (Elevated temperature)	NR	NR	NR	Q	A	NA	NA	NA	NA	NA	NA	NA	NA
Sodium Acetate (Anhydrous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Aluminate	A	A	A	A	A	A	NR	NR	NR	NR	A	Q	Q
Sodium Bicarbonate (Aqueous)	A	A	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Sodium Bisulfate	A	A	A	A	A	A	NR	NR	NR	NR	A	Q	Q
Sodium Bisulfite	A	A	A	A	A	A	NA	NA	NA	NA	A	Q	Q
Sodium Borate	A	A	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Sodium Carbonate (Aqueous)	A	A	A	A	A	A	Q	NR	NR	NR	A	Q	Q
Sodium Chloride sol. (Common salt)	A	A	A	A	A	A	Q	A	A	A	A	A	A
Sodium Cyanamide	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Cyanide (Aqueous)	A	A	A	A	A	A	Q	NR	NR	NR	A	NR	NR
Sodium Hydrosulfite	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Hydroxide	A	A	A	A	A	A	A	NR	NR	NR	A	A	A
Sodium Hydroxide (Aqueous)	A	A	A	A	A	A	Q	A	A	A	A	A	A
Sodium Hypochlorite	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Sodium Metaphosphate	A	A	A	A	A	A	Q	A	A	A	NA	NR	NR
Sodium Metasilicate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Nitrate (Aqueous)(Soda Niter)	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Sodium Perborate	A	A	A	A	A	A	Q	Q	Q	Q	NA	Q	Q
Sodium Peroxide, Aqueous	A	A	A	A	A	A	NR	NR	NR	NR	NA	NR	NR
Sodium Phosphate, (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Plumbite (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Silicate (Aqueous)(Water Glass)	A	A	A	A	A	A	Q	Q	Q	Q	A	Q	Q
Sodium Sulfide	A	A	A	A	A	A	Q	NR	NR	NR	A	NR	NR
Sodium Sulfite (Aqueous)	A	A	A	A	A	A	Q	NA	NA	NA	A	NA	NA

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CHEMICAL	FERROUS METAL Corrosion Resistant Materials						NON-FERROUS METALS						
	Stainless Steel			Hastelloy	Inconel	Elgiloy	Carbon Steel	Aluminum			Titanium	Brass	Aluminum Bronze
	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Sodium Sulphate (Aqueous)(Glaubers Salt)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Tetraborate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sodium Thiosulfate	A	A	A	A	A	A	Q	Q	Q	Q	A	Q	Q
Solvasol 1, 2 and 3	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Solvasol 73, 74	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sorbitol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Stain Removers	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Starch	A	A	A	A	A	A	NR	A	A	A	NA	Q	Q
Steam	A	A	A	A	A	A	A	A	A	A	NA	A	A
Stoddard Solvent	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Styrene (Monomer)(Vinylbenzene)	A	A	A	A	A	A	A	A	A	A	NA	A	A
Sugar (Aqueous)	Q	Q	A	A	A	A	Q	A	A	A	NA	A	A
Sulfur Chloride (Aqueous)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfur Dioxide And Water	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfur Dioxide (dry)	A	A	A	A	A	A	Q	A	A	A	Q	Q	Q
Sulfur Dioxide (wet)	A	A	A	A	A	A	NA	NA	NA	NA	Q	NA	NA
Sulfur Trioxide (Dry)	A	A	A	A	A	A	Q	A	A	A	NA	Q	Q
Sulfur Trioxide (Wet)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfur, Molten	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfonated Fatty Alcohol	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfonated Vegetable Oils	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfuric Chlorohydrin	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Sulfuric Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfuryl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Syrup, (Sucrose Soln.)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tall oil	Q	Q	A	A	A	A	Q	Q	Q	Q	Q	Q	Q
Tallow	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tanning Liquors	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Tar And Ammonia with Water	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tar, Bituminous	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tar, Pine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tetra Ethyl Lead	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tetrabromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloro Ethane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tetrachloro Ethylene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran (THF)	A	A	A	A	A	A	Q	Q	Q	Q	Q	Q	Q
Tetraphenyl	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Therminol #1, 2 and 3	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Thionyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiophene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Titanium Tetrachloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Toluene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tomato Pulp	Q	Q	A	A	A	A	NR	A	A	A	NA	NR	NR
Toxaphene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trichloroethane (Dry)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trichloroethane (Wet)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trichloronitromethane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene (Dry)	A	A	A	A	A	A	Q	A	A	A	Q	Q	Q
Trichloroethylene (Wet)	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Trichlorotrifluoroethane	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Tricresyl Phosphate (TCP)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Triethyl Amine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Trisodium Phosphate	A	A	A	A	A	A	Q	A	A	A	A	A	A
Tri-Fluoro-Vinyl-Chloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Turpentine	A	A	A	A	A	A	Q	Q	Q	Q	Q	Q	Q

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Urea and Phenolic Resins	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Urea, Anhydrous (Carbamide)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Urine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Varnish, Aromatic	A	A	A	A	A	A	NR	A	A	A	NA	A	A
Varnish, Non-Aromatic	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Vaseline	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Vegetable Juices	NA	NA	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Vetrocoke Solution (Wet)	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Vinegar	Q	Q	A	A	A	A	NR	NR	NR	NR	NA	Q	Q
Vinyl Chloride (Chloroethene)	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Vinyl Pyridine	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Vinylidene Chloride	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Vitriole, White	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Water Food Service	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Boiler Feed	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Brackish	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Clean Untreated	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Condensate	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Cooling Tower	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Distilled	Q	Q	A	A	A	A	NR	A	A	A	NA	A	A
Water, Fresh	Q	Q	A	A	A	A	NR	A	A	A	NA	A	A
Water, Heavy	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Hot	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Mine	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, River	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, Salt And Sea, Solution	Q	Q	A	A	A	A	NR	Q	Q	Q	NA	Q	Q
Water, Soapy	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Water, with Soluble Oil	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA

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	302	304	316 316L 316LVM	C-276	X750		12614 Leadloy	7075-T6	6061-T6	2024-T4			
Wax Alcohols	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Whiskey	Q	Q	A	A	A	A	NR	NR	NR	NR	NA	A	A
White Liquor	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
White Water, Paper Mill	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Wine	Q	Q	A	A	A	A	NR	NR	NR	NR	NA	A	A
Wood Pulp (Stock)	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Wood Vinegar	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Wort (Beer Wort)	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Xylene (Dimethylbenzene)	A	A	A	A	A	A	Q	A	A	A	A	A	A
Yeast	Q	Q	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Zeolite Treated Water	A	A	A	A	A	A	NR	NA	NA	NA	NA	NA	NA
Zinc Chloride (Dry)	A	A	A	A	A	A	NR	A	Q	A	NA	NR	NR
Zinc Chloride (Wet)	A	A	A	A	A	A	NR	NR	NR	NR	A	NR	NR
Zinc Cyanide	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA
Zinc Nitrate	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA	NA
Zinc Phosphate	A	A	A	A	A	A	A	NA	NA	NA	NA	NA	NA
Zinc Sulfate	A	A	A	A	A	A	NR	NR	NR	NR	A	Q	Q

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