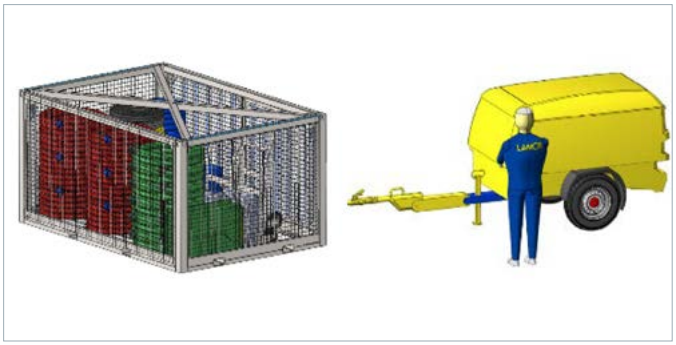
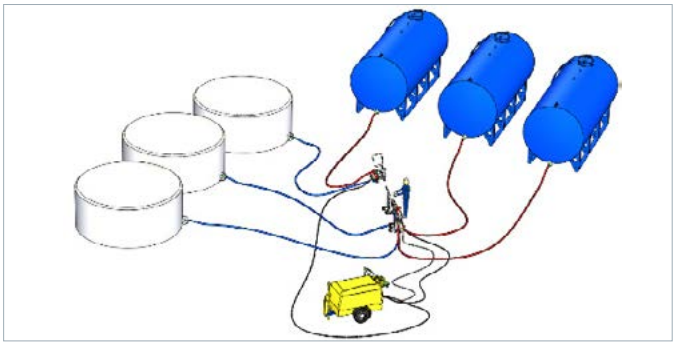
LAMOR PORTABLE EMERGENCY OFFLOADING PUMPING SYSTEM

HNS AIR PUMP





GENERAL DESCRIPTION

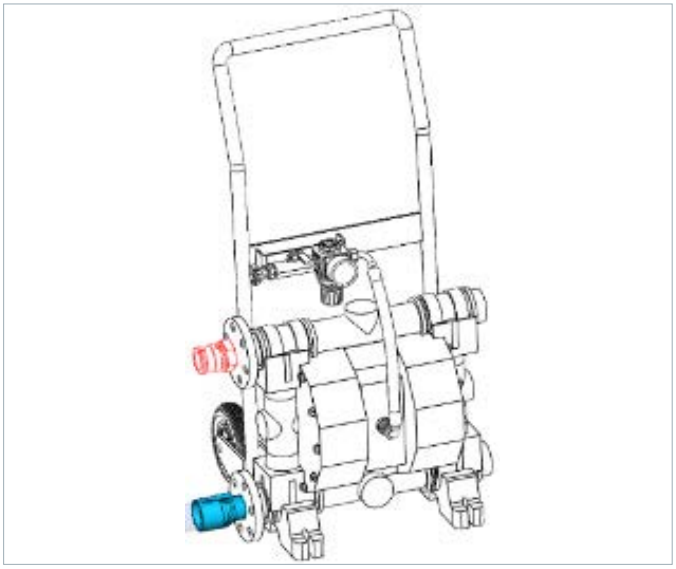
The Lamor Air Operated Offloading Pump System is a specialized recovery system for the recovery various chemicals.

MAIN COMPONENTS

- 3 pcs Lamor Oil/Chemical Transfer Pump, Air Operated Double Diaphragm.
- Compressor with remote control.
- Air Hoses.
- Lamor Oil/Chemical Transfer Hoses.
- Storage Crate with canvas.

KEY CHARACTERISTICS

- The system is designed to be easily installed and operated.
- The system can be deployed rapidly and operated by a single operator in 15-30 minutes.
- The system is a versatile and easy to operate. System can be stored and operated in -20°C to +50°C.
- Footprint for the system deployed: 5,3 x 4,9 m.



OFFLOADING PUMP FOR OIL AND LIQUID HAZARDOUS NOXIOUS SUBSTANCES (HNS)

- The three pumps and three types of hoses in this portable emergency offloading pump system each have unique properties, making it easier to choose one set that is appropriate for a certain chemical.
- The pumps are ATEX Zone II-certified air-operated double-diaphragm (AODD) pumps.

TECHNICAL SPECIFICATIONS

CAPACITY	42 M^3/H
DELIVERY HEAD	80 M
MAX PRESSURE	8 BAR
LENGTH / WIDTH / HEIGHT (INCL. INTEGRATED CART)	720 / 650 / 1150 MM

TRANSFER HOSES FOR OIL AND LIQUID HAZARDOUS NOXIOUS SUBSTANCES (HNS) AND AIR HOSES

- Transfer hoses compatible with the type of substances to be pumped.
- Transfer hoses reinforced with internal steel and stainless steel spiral.
- Air hoses with connections compatible with the pump and compressor.

AIR COMPRESSOR

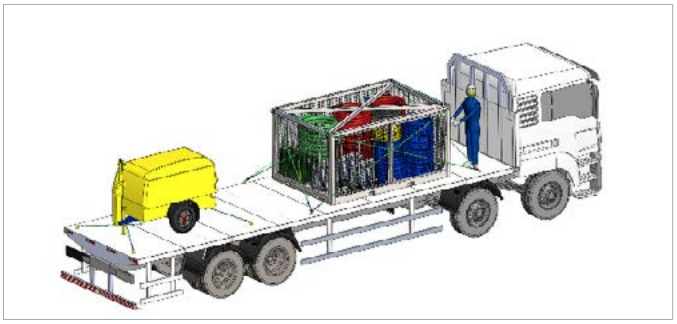
- Portable compressor with wheels and adjustable tow bar.
- The compressor is equipped with a remote control.
- The compressor fits on a P1P pallet for transport by airplane.

TECHNICAL SPECIFICATIONS

FREE AIR DELIVERY (MAX)	5 M³/H
WORKING PRESSURE (MAX)	10,3 BAR
LENGTH / WIDTH / HEIGHT	2290 / 1350 / 1400 MM
WEIGHT	749 KG

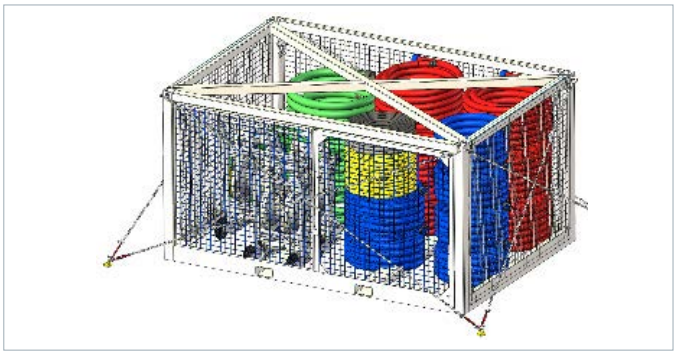
STORAGE RACK WITH PROTECTIVE CANVAS

- Canvas-covered storage rack for the entire system's components, excluding the compressor, which is stored separately.
- The system components are stored in its own Storage Crate (3 x Air Operated Double Diaphragm Oil/Chemical Transfer Pump, 3 x 3 pcs Oil/Chemical Transfer Hoses, 3 x Air Hoses, 1 x Handling Cart).
- The storage rack is equipped with 4 forklift channels. It can be fitted on a P1P pallet for transport by airplane. compressor fits on a P1P pallet for transport by airplane.



TECHNICAL SPECIFICATIONS

LENGTH / WIDTH / HEIGHT	3040 / 2100 / 1550 MM
WEIGHT, EMPTY WITH CANVAS	594 KG
WEIGHT, LOADED	1330 KG



LAMOR PORTABLE EMERGENCY OFFLOADING PUMPING SYSTEM
List of compatible chemicals

Pump 1 Air Operated Double Diaphragms Pump 700A MTTAT1-AB Alu+PTFE (Fluimac Phoenix)
Pump 2 Air Operated Double Diaphragms Pump 700S MTTST1-EF AISI316+PTFE (Fluimac Phoenix)
Pump 3 Air Operated Double Diaphragms Pump 700KC MTTKT1-AB PVDF +PTFE (Fluimac Phoenix)

Hose 1 Acid-Chemical Transfer Hose UPE/EPDM 2" (Alfagomma 529AA)
Hose 2 Acid-Chemical Transfer Hose Standard Duty PTFE/PVC, SS inner and outer wire 2" (Gutteling Multi-Chem Red)
Hose 3 Highly Aggressive Chemical Hose, FEP Coated Stainless Steel inner wire, Stainless Steel outer wire 2" (Compotec CHEMCHLOR NANOTEC FEP)

The data in the following tables was obtained from combined chemical charts.
User should always look at the chemical chart provided by component manufacturer.

A = Excellent
B = Good
C = Fair, not recommended
D = Severe effect, not recommended
X = Unsatisfactory

1 = Good resistance up to 48 C
2 = Good resistance up to 22 C
- = No data available

CAS number	Chemical	Pump 1	Pump 2	Pump 3	Hose 1	Hose 2	Hose 3
	Palm and other vegetables oils	-	A	A	-	A	A
	Molasses	A	A	B1	A	A	A
	Biofuels (Fatty acid methyl ester (FAME))	-	-	-	-	-	A
25377-83-7	Octene	-	A	A	-	A	A
497-19-8	Sodium carbonate solution	D	A	A	A	A	A
57-13-6	Urea solution	B	B	A	B	B	A
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	B	B	B	B	B	B
994-05-8	tert-Amyl methyl ether	-	-	-	-	-	-
8061-52-7	Calcium lignosulphonate solutions	-	-	-	-	-	-
65996-93-2	Coal tar pitch (molten)	-	-	-	-	-	-
64-18-6	Formic acid	A	A1	A	A	A1	A
149-57-5	2-Ethylhexanoic acid	-	-	-	-	-	-
109-52-4	Pentanoic acid	-	-	-	-	-	-
143-07-7	Lauric acid	-	-	A	-	-	A
79-10-7	Acrylic acid	-	A	-	-	A	-
77-92-9	Citric acid	C	A2	A	A2	A2	A
1071-83-6	Glyphosate solution (not containing surfactant)	-	-	-	-	-	-
79-11-8	Chloroacetic acid	D	A1	A	A1	A1	A
64-19-7	Acetic acid	B	B	C	B	B	A
7647-01-0	Hydrochloric acid	D	D	A	D	D	A
7705-08-0	Ferric chloride solutions	D	D	A	-	D	A
7697-37-2	Nitric acid	D	A	A	-	A	A
8014-95-7	Oleum	B	A	D	X	A	A
7664-93-9	Sulphuric acid	D	B	A	D	D	A
7790-94-5	Chlorosulphonic acid	C	B2	D	X	B2	A
7664-38-2	Phosphoric acid	C	B	A	A	B	A
80-62-6	Methyl methacrylate	-	A	A	A	A	A
79-41-4	Methacrylic acid	-	A	A	-	A	A
103-11-7	2-Ethylhexyl acrylate	-	A	-	-	A	-
2156-96-9	Decyl acrylate	-	A	-	-	A	-
140-88-5	Ethyl acrylate	-	A	-	-	A	A
141-32-2	Butyl acrylate	-	-	-	A	-	-
143-08-8 /2430-22-0	Nonyl alcohol (all isomers)	-	A	A	-	A	A
122-99-6	Ethylene glycol phenyl ether	-	-	-	-	-	-
111-87-5	1-Octanol	-	A	-	-	A	-
126-30-7	2,2-Dimethylpropane - 1,3-diol (molten or solution)	-	-	-	-	-	-
111-27-3	Hexanol	-	A	A	A	A	A
78-83-1	Isobutyl alcohol	-	A	A	-	A	A
67-63-0	Isopropyl alcohol	-	A	A	A	A	A
67-56-1	Methanol (Methyl alcohol)	A1	A	A	A1	A	A
108-11-2	Methylamyl alcohol	-	A	A	-	A	A
71-23-8	Propanol	-	A	-	A	A	-
57-55-6	Propylene glycol	B	B	A	B	B	A
112-72-1	1- Tetradecanol	-	-	-	-	-	-
112-53-8	Dodecyl alcohol	-	-	A	-	-	A
123-51-3	Isoamyl alcohol	-	A	A	-	A	A
71-36-3	n-Butyl alcohol	B	A2	A2	B2	A2	A2
110-63-4	Butylene glycol	-	A	-	-	A	-
108-93-0	Cyclohexanol	C	B	A	B	B	A
75-65-0	tert-Butyl alcohol	-	-	A	-	-	A
64-17-5	Ethyl alcohol	-	-	A	-	-	A
107-21-1	Ethylene glycol	A	B	A	B	B	A
25339-17-7	Isodecyl alcohol	-	A	A	-	A	A
105-59-9	Methyl diethanolamine	-	-	-	-	-	-
102-71-6	Triethanolamine	B	A	A	A	A	A
108-01-0	Dimethylethanolamine	-	A	-	-	A	-
111-42-2	Diethanolamine	-	A	A	-	A	A
141-43-5	Ethanolamine	B	A	C	-	A	C
9016-45-9	Nonylphenol poly (4+)ethoxylate	-	A	-	-	A	-

112-35-6	Triethylene glycol methyl ether	-	-	-	-	-	-
112-27-6	Triethylene glycol	-	A	A	A	A	A
24800-44-0	Tripropylene glycol	-	A	-	-	A	-
107-98-2	Propylene glycol methyl ether	-	A	-	-	A	-
109-86-4	Ethylene glycol monomethyl ether	-	-	-	-	-	-
111-46-6	Diethylene glycol	B1	A2	A2	A2	A2	A2
25265-71-8	Dipropylene glycol (all isomers)	-	A	A	-	A	A
111-76-2	Ethylene glycol butyl ether	-	A	-	A	A	-
98-00-0	Furfuryl alcohol	-	A	A	A	A	A
123-42-2	Diacetone alcohol	A1	B	D	B	B	A
75-86-5	Acetone cyanohydrin	-	-	A	-	-	A
112-92-5	Octadecan-1-ol	-	-	-	-	-	-
98-01-1	2-furaldehyde	A1	B	B2	-	B	B2
50-00-0	Formaldehyde solutions (45% or less)	B	A	A	A	A	A
15972-60-8	Alachlor technical (90% or more)	-	-	-	-	-	-
872-50-4	1-Methyl-2-pyrrolidone	-	-	-	-	-	-
127-19-5	N,N-dimethylacetamide	-	-	-	-	-	-
68-12-2	Dimethylformamide	A	A	A	A	A	A
79-06-1	Acrylamide solution	-	-	-	-	-	-
105-60-2	e-Caprolactam (molten or aqueous solutions)	-	-	-	-	-	-
62-53-3	Aniline	C	B	A	B	B	A
107-15-3	Ethylenediamine	B1	B	B2	-	B	B2
109-73-9	Butylamine	-	-	B	-	-	B
111-40-0	Diethylenetriamine	-	A	-	-	A	-
124-09-4	Hexamethylenediamine	-	A	A	-	A	A
100-97-0	Hexamethylenetetramine solutions	-	A	A	-	A	A
68131-73-7	Polyethylene Polyamines	-	A	A	-	A	A
124-40-3	Dimethylamine solution	-	A	A	-	A	A
108-24-7	Acetic anhydride	A1	A	A	A	A	A
85-44-9	Phthalic anhydride (molten)	-	B	D	-	B	D
87-61-6	1,2,3-Trichlorobenzene (molten)	-	-	-	-	-	-
120-82-1	1,2,4-Trichlorobenzene	-	-	A	-	-	A
1310-58-3	Potassium hydroxide	D	A1	A	A1	A1	A
1310-73-2	Sodium hydroxide solution	D	B2	A	B2	B2	A
1336-21-6	Ammonia aqueous (28% or less)	B	A	A	-	A	A
7789-41-5	Calcium bromide (solution)	-	-	-	-	-	-
79-09-4	Propionic acid	-	A	A		A	A
77-73-6	1,3-Cyclopentadiene dimer (molten)	-	-	-	-	-	-
75-56-9	Propylene oxide	B	A	D	-	A	A
123-86-4	n-Butyl acetate	A	A	B2	A	A	B2
107-31-3	Methyl formate	A	B	A	-	B	A
79-20-9	Methyl acetate	A	B	B1	-	B	A
141-78-6	Ethyl acetate	B1	A	B1	A	A	A
25265-77-4	2,2,4-Trimethyl-1,3-Pentanediol-1-Isobutyrate	-	-	-	-	-	-
117-81-7	Bis(2-ethylhexyl) phthalate	A	A	A	-	A	A
3648-20-2	Diundecyl phthalate	-	-	-	-	-	-
28553-12-0	Diisononyl phthalate	-	A	-	-	A	-
112-07-2	Ethylene glycol butyl ether acetate	-	-	-	-	-	-
61789-97-7	Tallow	A	A	A	A	A	A
85-68-7	Benzyl butyl phthalate	-	-	-	-	-	-
84-76-4	Dinonyl phthalate	-	-	-	-	-	-
84-69-5	Diisobutyl phthalate	-	A	-	-	A	-
108-84-9	Methylamyl acetate	-	A	A	-	A	A
117-84-0	Dioctyl phthalate	A	A	A	A	A	A
103-23-1	Di-(2-ethylhexyl) adipate	-	-	-	-	-	-
84-74-2	Dibutyl phthalate	A	A	A	A	A	A
111-15-9	2-Ethoxyethyl acetate/Ethylene glycol ethyl ether acetate	-	-	-	-	-	-
124-17-4	Diethylene glycol monobutyl ether acetate	-	A	-	-	A	-
108-65-6	Propylene glycol methyl ether acetate	-	-	-	-	-	-
108-05-4	Vinyl acetate	A1	B	A2	B	B	A2
763-69-9	Ethyl-3-ethoxypropionate	-	-	-	-	-	-
109-92-2	Vinyl ethyl ether	-	A	A	-	A	A
1634-04-4	Methyl tert-butyl ether	-	A	-	-	A	-
109-99-9	Tetrahydrofuran	-	A	B1	-	A	A
110-88-3	1,3,5-trioxane	-	-	-	-	-	-
637-92-3	Ethyl tert-butyl ether	-	-	-	-	-	-
1675-54-3	Diglycidyl ether of bisphenol A	-	-	-	-	-	-
8004-13-5	Diphenyl/Diphenyl ether mixtures	B2	B	-	-	B	A
101-84-8	Diphenyl ether	-	A	A	-	A	A
25167-32-2	Dodecyl diphenyl ether disulphonate solution	-	-	-	-	-	-
64742-88-7	Solvent naphtha (petroleum), medium aliph.	A	A	A	-	A	A
770-35-4	Propylene glycol phenyl ether	-	-	-	-	-	-
127-18-4	Perchloroethylene	C	A1	A	A1	A1	A
79-01-6	Trichloroethylene	D	B	B	C	B	A
75-09-2	Dichloromethane	-	A	-	-	A	-
100-44-7	Benzyl chloride	D	C	-	-	C	-
96-18-4	1,2,3-Trichloropropane	-	A	A	-	A	A
107-06-2	1,2-Dichloroethane	-	-	B	-	-	B
78-87-5	1,2-Dichloropropane	-	A	B	-	A	B

67-66-3	Chloroform	B1	A1	A1	D	A1	A1
75-34-3	1,1 - Dichloroethane/Ethylidene dichloride	-	A	B	-	A	B
106-89-8	Epichlorohydrin	D	A	A	-	A	A
110-54-3	n-Hexane	A	A	A	A	A	A
109-66-0	Pentane (all isomers)	B	C	A	C	C	A
110-82-7	Cyclohexane	A	A	A	A	A	A
291-64-5	Cycloheptane	-	-	-	-	-	-
592-41-6	1-Hexene	-	-	B	-	-	B
821-95-4	1-Undecene	-	-	-	-	-	-
98-82-8	Isopropylbenzene	-	A	B	-	A	B
108-88-3	Toluene	A	A	A	A	A	A
1330-20-7	Xylenes	A1	B	A	D	B	A
71-43-2	Benzene and mixtures >10% benzene	B	B	A2	D	B	A2
100-41-4	Ethylbenzene	A	B	A	-	B	A
142-82-5	Heptane (all isomers)	A	A	A	A	A	A
696-29-7	Isopropylcyclohexane	-	-	-	-	-	-
1120-21-4	n-Undecane	-	-	-	-	-	-
111-84-2	Nonane (all isomers)	-	A	A	-	A	A
111-65-9	Octane (all isomers)	-	A	A	-	A	A
112-40-3	n-Dodecane	-	-	-	-	-	-
6842-15-5	Propylene tetramer	-	-	-	-	-	-
78-79-5	Isoprene	-	-	A	-	-	A
27215-95-8	Nonene	-	-	-	-	-	-
872-05-9	Decene	-	-	-	-	-	-
108-31-6	Maleic anhydride	A	A	A	-	A	A
4904-61-4	1,5,9-cyclododecatriene	-	-	-	-	-	-
8007-45-2	Coal tar	-	-	A	-	-	A
100-42-5	Styrene monomer	A	A	A	-	A	A
98-83-9	Alpha-Methylstyrene	-	A	-	-	A	-
1300-71-6	Xylenols	-	A	A	-	A	A
103-65-1	Propylbenzene	-	-	-	-	-	-
95-63-6	1,2,4-Trimethylbenzene	-	A	-	-	A	-
25340-18-5	Triethylbenzene	-	A	A	-	A	A
67774-74-7	Benzene, C10-C13 Alkyl derivs	-	-	-	-	-	-
104-51-8	Butylbenzene (all isomers)	-	-	B	-	-	B
25321-09-9	Diisopropylbenzene	-	-	-	-	-	-
123-01-3	Dodecylbenzene	-	A1	A	-	A1	A
91-20-3	Naphthalene	B1	A	A2	A	A	A2
1309-42-8	Magnesium hydroxide slurry	C1	A1	A	A1	A1	A
9016-87-9	Polymethylene polyphenyl isocyanate	-	-	-	-	-	-
584-84-9	Toluene diisocyanate	-	A	A	-	A	A
101-68-8	Diphenylmethane diisocyanate	-	-	-	-	-	-
78-93-3	Methyl ethyl ketone	B	A	D	A	A	A
108-10-1	Methyl isobutyl ketone	B	B	D	B	B	A
67-64-1	Acetone	A	A	D	A	A	A
108-94-1	Cyclohexanone	A	A2	D	A2	A2	A
108-83-8	Diisobutyl ketone	-	A	A	A	A	A
8050-09-7	Rosin	B1	A1	A	-	A1	A
10124-37-5	Calcium nitrate solutions (50% or less)	B1	B2	A2	B2	B2	A2
107-13-1	Acrylonitrile	B1	A1	A1	B1	A1	A1
111-69-3	Adiponitrile	-	A	A	-	A	A
108-03-2	1-Nitropropane	-	-	-	-	-	-
79-46-9	2-Nitropropane	-	-	-	-	-	-
88-75-5	o-Nitrophenol (molten)	-	A	-	-	A	-
98-95-3	Nitrobenzene	B	B	A1	B	B	A
13463-67-7	Titanium dioxide slurry	-	-	-	-	-	-
7722-84-1	Hydrogen peroxide	A	B	A	D	B	A
7775-09-9	Sodium chlorate solution (50% or less)	B	A	A	B	A	A
25154-52-3	Nonylphenol	-	A	A	-	A	A
108-95-2	Phenol	A	B	A1	B	B	A1
8001-58-9	Creosote (coal tar)	B	B	A	B	B	A
27193-86-8	Dodecyl phenol	-	A1	B	-	A1	B
96-33-3	Methyl acrylate	-	A	A	-	A	A
7704-34-9	Sulphur (molten)	D	A	A	A	A	A
7783-20-2	Ammonium sulphate solution	A1	B	A	B	B	A
6484-52-2	Ammonium nitrate solution (93% or less)	-	-	B	-	-	B
10043-01-3	Aluminium sulphate solution	B1	B2	A	B2	B2	A
10588-01-9	Sodium dichromate solution	-	-	-	-	-	-
7681-52-9	Sodium hypochlorite solution	D	C	A	C	C	A
556-67-2	Octamethylcyclotetrasiloxane	-	-	-	-	-	-
140-01-2	Diethylenetriaminepentaacetic acid, pentasodium salt solution	-	-	-	-	-	-
64-02-8	Ethylenediaminetetraacetic acid, tetrasodium salt solution	-	-	-	-	-	-
7757-82-6	Sodium sulphate solution	A	B1	A	B1	B1	A
75-15-0	Carbon disulphide	C	A	A	D	A	A
624-92-0	Dimethyl disulphide	-	-	-	-	-	-
137-42-8	Metam sodium solution	-	-	-	-	-	-
68477-54-3	Resin Oil, distilled (C8-C12 Fraction)	-	-	-	-	-	-
75-07-0	Acetaldehyde	B	A	D	C	A	A
60-35-5	Acetamide	A	A	C	-	A	A

64-19-7	Acetic Acid	B	B	C	B	B	A
64-19-7	Acetic Acid 20%	B	A	A	A	A	A
64-19-7	Acetic Acid 80%	B	B	C	B	B	A
	Acetic Acid, Glacial	B	A	A1	A	A	A
108-24-7	Acetic Anhydride	A1	A	B1	A	A	A
67-64-1	Acetone	A	A	D	A	A	A
	Acetophenone	B	B	A	A	A	A
	Acetyl Chloride (dry)	D	A	A2	-	A	A
	Acetylene	A	A	A	A	A	A
	Acryloacidnitrile	B1	A1	A1	-	A1	A
103-23-1	Adipic Acid	A	A2	A2	A	A	A
	Alchohols: Amyl	B	A	A	A	A	A
	Alcohols: Butyl	B	A	A	A	A	A
	Alcohols: Benzyl	B	B	A	-	A	A
	Alcohols: Diacetone	A1	A	A1	A	A	A
	Alcohols: Ethyl	B	A	-	A	A	A
	Alcohols: Hexyl	A	A	-	-	-	A
	Alcohols: Isobutyl	B2	A2	-	-	A	A2
	Alcohols: Isopropyl	B2	B2	-	A	A	A2
	Alcohols:Methyl	A1	A	A	-	A	A
	Alcohols: Propyl	A	A	A2	A	A	A
	Aluminum Acetate	A	B	-	-	-	A
	Aluminum Chloride	D	B	A	B	B	A
	Aluminum Chloride 20%	D	C1	A	C1	C1	A
	Aluminum Fluoride	B1	D	A	D	D	A
	Aluminum Hydroxide	B1	C1	A	C1	C1	A
	Aluminum Nitrate	D	A	A2	-	A	A
	Aluminum Phosphate	-	A	-	-	A	A
	Aluminum Potassium Sulfate 10%	C	A	B	-	A	A
	Aluminum Potassium Sulfate 100%	C	B2	-	-	B2	A
	Aluminum Sulfate	B1	B2	A	B2	B2	A
	Alums	A	A	-	A	A	A
	Amines	B2	A2	-	-	A2	A2
	Ammonia 10%	A2	A	A	-	A	A
	Ammonia Nitrate	C	A	A	-	A	A
	Ammonia, anhydrous	A1	A2	A	-	A2	A
	Ammonia, liquid	A	A2	A	-	A2	A
	Ammonium Acetate	A	A	-	-	A	A
	Ammonium Bifluoride	B	B1	A	-	B1	A
	Ammonium Carbonate	B	B	A	-	B	A
	Ammonium Chloride	B1	B2	A	B2	B2	A
1336-21-6	Ammonium Hydroxide	B2	A1	A	A1	A1	A
6484-52-2	Ammonium Nitrate	B1	A	A	A	A	A
	Ammonium Persulfate	D1	B1	A1	-	B1	A1
	Ammonium Phosphate, Dibasic	B2	C2	A2	C2	C2	A2
	Ammonium Phosphate,	B	C	-	-	C	A
	Ammonium Phosphate, Tribasic	B	B	-	-	B	A
	Ammonium Sulfate	A1	B	A	B	B	A
	Ammonium Sulfite	D2	B2	-	B2	B2	A2
	Amyl Acetate	A	A	A2	A	A	A2
	Amyl Alcohol	B	A	A	A	A	A
	Amyl Chloride	A1	A2	A	A2	A2	A
62-53-3	Aniline	C	B	A1	A	A	A
	Aniline Dyes	B	A	-	A	A	A
	Aniline Hydrochloride	D	D	A2	-	D	A
	Animal Fats	A	A	-	A	A	A
	Antymoni Trichloride	D	D	A	-	A2	A
	Aqua Regia (80% HCl, 20%HNO3)	D	D	A2	X	D	A
	Arochlor 1248	A	B	-	-	B	A
	Aromatic Hydrocarbons	A	C	-	-	C	A
	Arsenic Acid	D	A2	A	A2	A2	A
	Arsenic Trichloride	D	D	-	-	D	A
	Asphalt	A1	A1	A1	A	A	A1
	Barium Carbonate	D	B	A	-	B	A
	Barium Chloride	D	A1	A	A	A1	A
	Barium Cyanide	C1	A2	-	-	A2	A1
	Barium Hydroxide	D	B	A	B	B	A
	Barium Nitrate	B1	B1	-	-	B1	A1
	Barium Sulfate	B	B1	A	-	B1	A
	Barium Sulfide	D	B2	A	B2	B2	A
	Beer	A	A	A	A	A	A
	Beet Sugar Liquids	A	A	-	-	A	A
	Beet Sugar Liquors	A	A	A	A	A	A
	Benzaldehyde	B1	B1	A2	B1	B1	A1
71-43-2	Benzene	B	B	A2	C	B	A
	Benzene Sulfonic Acid	D	B	-	-	B	A
71-43-2	Benzol	B1	A1	A	C	A	A
	Benzonic Acid	B2	B2	A2	-	B2	A2
	Benzonitrile	-	D2	-	-	D2	A2

	Benzyl Benzoate	A	B	-	-	B	A
	Bibutyl Sebecate	-	A	A	-	A	A
	Borax (Sodium Borate)	B1	A	A	A	A	A
	Bordeaux Mixture	D	A	-	-	-	A
	Boric Acid	D	A1	A	A1	A1	A
	Brine	C	-	A	A	-	A
	Bromide-Trifluoride	D	B	-	-	B	A
	Bromine	D	D	A	-	D	A
	Bromine-Anhydrous	D	D	-	-	D	A
	Bromine-Water	D	B	A	-	B	A
	Bromobenzene	D	B	A	-	B	A
	Bunker Oil	A	A	-	-	A	A
	Butadiene	A2	A2	A2	A2	A2	A2
106-97-8	Butane	A	A2	A	A2	A2	A
	Butanol (Butyl Alcohol)	B2	A2	A2	A2	A2	A2
	Butter	A	A	-	-	A	A
	Buttermilk	A	A	-	-	A	A
	Buttyl Phthalate	B2	B2	A2	B2	B2	A2
	Butyl Acetyl Ricinoleate	A	A	-	-	A	A
	Butyl Amine	A2	A2	A2	-	A2	A2
	Butyl Benzoate	B	B	-	-	B	A
	Butyl Cellosolve	-	A	A	A	A	A
	Butyl Ether	A1	A1	A1	A1	A1	A1
	Butyl Stearate	B	B	A	A	A	A
123-86-4	Butylacetate	A	A	B2	A	A	A
	Butylene	A	A	A	-	A	A
	Butyric Acid	B2	B2	A2	A	A	A2
	Calcium Bisulfide	C	B	A	-	B	A
	Calcium Carbonate	D	B	A	-	B	A
	Calcium Chloride	D	B2	A	B2	B2	A
	Calcium Hydroxide	C1	B	A2	B	B	A
	Calcium Hypochlorite	D	B1	A	B1	B1	A
	Calcium Nitrate	B2	B2	A2	-	B2	A2
	Calcium Oxide	C	A	A	-	A	A
	Calcium Sulfate	C	B	A	-	B	A
	Calcium Sulfide	A	B	-	-	B	A
	Cane Juice	B	A	A1	-	A	A
	Cane Sugar Liquors	A	A	A	-	A	A
	Carbitol	B	B	-	B	B	A
108-95-2	Carbolic Acid (Phenol)	A	B	A1	-	B	A
	Carbon Dioxide (dry)	B1	A1	A	A1	A1	A
	Carbon Dioxide (wet)	A1	A1	A	A1	A1	A
75-15-0	Carbon Disulfide	C	A	A	D	A	A
	Carbon Monoxide	A	A	B	A	A	A
	Carbon Tetrachloride	D	B	A2	A	A	A
	Carbon Tetrachloride (dry)	D	B2	A2	-	B2	A
	Carbon Tetrachloride (wet)	D	A2	A2	-	A2	A
	Carnobic Acid	B1	A	A	A	A	A
	Cellosolve	B	B	A	-	B2	A
	Cellosolve Acetate	-	-	A	A	-	A
	Chloric Acid	D	C1	-	-	C1	A
	Chlorine (dry)	C1	B	A	-	B	A
	Chlorine Dioxide	D	D	A	-	D	A
	Chlorine Trifluoride	D	A	-	-	A	A
	Chlorine Water	D	C	B	-	C	A
	Chlorine(Wet)	D	D	A	-	D	A
	Chlorine, Anhydrous Liquid	D	C	A1	-	C	A
79-11-8	Chloroacetic Acid	D	A1	A1	A1	A1	A
	Chloroacetone	D	B	-	B	B	A
	Chlorobenzene (Mono)	A	B	B	A	A	B
	Chlorobutadiene	D	A	-	-	A	A
	Chlorododecane	D	-	-	-	-	A
67-66-3	Chloroform	B1	A1	A1	C	A	A1
	Chloronapthalene	D	B	-	-	B	A
	Chlorosulfonic Acid	C	B2	D	X	B2	A
	Chlorotoluene	D	B	-	-	B	A
	Chocolate Syrup	A	A	-	-	A	A
	Chrome Plating Solutions	D	D	-	-	D	A
	Chromic Acid 10%	-	B	A	B	B	A
	Chromic Acid 30%	-	B2	A2	B2	B2	A
	Chromic Acid 5%	C	A	A	A	A	A
	Chromic Acid 50%	D	B2	A2	B2	B2	A
	Citric Acid	C	A2	A	A2	A2	A
	Citric Oils	C	A	-	-	A	A
	Clorox ® (Bleach)	A	A	A	-	A	A
	Cobalt Chloride(2n)	D	-	-	-	-	A
	Coke Oven Gas	-	-	A	-	-	A
	Copper Acetate	D	C	-	-	C	A
	Copper Chloride	-	D	A	D	D	A

	Copper Cyanide	D	B	A	B	B	A
	Copper Nitrate	D	A2	A	-	A2	A
	Copper Sulfate >5%	D	B	A	B	B	A
	Copper Sulfate 5%	D	B	A	B	B	A
	Cream	A	A	-	-	A	A
	Cresylic Acid	B2	A	B1	A	A	A
	Cupric Acid	D	B2	-	-	B2	A
	Cyclohexane	A	A	A	A	A	A
	Cyclohexanol	C	B	A	A	A	A
	Cyclohexanone	A	A2	D	A	A	A
	Cyniac Acid	-	A	-	-	A	A
	Denaturated Alcohol	A	A	-	-	A	A
	Detergents	B	A1	A	A	A	A
	Developing Fluids	-	B	-	-	B	A
	Diacetone	A	A	A	-	A	A
	Diacetone Alcohol	A1	B	D	A	A	A
	Dibenzyl Ether	B	B	-	-	B	A
	Dibutyl Ether	B	B	-	B	B	A
	Dibutyl Phthalate	A	A	-	A	A	A
	Dichloro Isopropyl Ether	D	-	-	-	-	A
	Dichloroethane	B1	B1	A1	B1	B1	A1
	Diclorobenezene	B1	B1	A	-	A	A
	Diesel Fuel	A1	A1	A	A	A	A
	Diethyl Ether	B	B	A	A	A	A
	Diethyl Sebecate	A	A	-	-	A	A
	Diethylamine	B	D	D	A	A	D
	Diethylene Glycol	B2	A2	A2	A2	A2	A2
	Diisobutylene	B	B	-	-	A	A
	Dimethyl Aniline	A	-	A	-	-	A
	Dimethyl Formamide	A	A	A	-	A	A
	Dimethyl Phthalate	-	B	A	-	A	A
	Dioctyl Phthalate	A	A	A	-	A	A
	Dioctyl Sebecate	-	A	-	-	A	A
	Dioxane	B	A	A	A	A	A
	Dipentene	A	A	-	-	A	A
	Diphenyl	B2	B	-	-	B	A
	Diphenyl Oxide	B1	A1	B2	-	A1	A1
	Dowtherm Oil	C	A	A	-	A	A
	Dry Cleaning Fluids	A	A	-	-	A	A
	Ethyl Chloride	B	A	A	A	A	A
	Epichlorohydrine	D	A	A	-	A	A
	Epsom Salts (Magnesium)	B1	B	A	-	B	A
	Etanol	B	A	-	A	A	A
	Ethane	-	A1	A	-	A1	A
	Ethanolamine Ether	B1	A1	C1	-	A1	A1
	Ethyl Acetate	B1	A	B1	A	A	A
	Ethyl Acetoacetate	A	-	A	-	-	A
	Ethyl Benzene	A	B	-	A	A	A
	Ethyl Benzoate	-	-	D	-	-	A
	Ethyl Cellulose	B	B	-	B	B	A
	Ethyl Chlorocarbonate	D	-	-	-	-	A
	Ethyl Chloroformate	D	-	-	-	-	A
	Ethyl Ether	B1	B	A2	B	B	A
	Ethyl Formate	C	B	A	-	A	A
	Ethyl Mercaptan	B	B	-	-	B	A
	Ethyl Oxalate	A	-	-	-	-	A
	Ethyl Pentochlorobenzene	D	-	-	-	-	A
	Ethyl Silicate	B	A	-	-	A	A
	Ethyl Sulfate	-	D	-	-	A	A
	Ethylene	A	A	-	-	A	A
	Ethylene Bromide	B	A	A	-	A	A
	Ethylene Chloride	B	B	A	-	A	A
	Ethylene Chlorohydrin	B	B	A	-	A	A
	Ethylene Diamine	B1	B	B	D	A	A
	Ethylene Dichloride	A1	B	A	C	A	A
	Ethylene Glycol	A	B	A	A	A	A
	Ethylene Oxide	D	B	A	B	B	A
	Ethylene Trichloride	D	A	-	-	A	A
	Fatty Acids	A	A	A	B	A	A
	Ferric Chloride	D	D	A	D	D	A
	Ferric Nitrate	D	B	A	B2	B2	A
	Ferric Sulfate	D	A	A	A	A	A
	Ferrous Chloride	D	D	A	D	D	A
	Ferrous Sulfate	B1	B	A	B	B	A
	Fluorine	D	D	D	D	D	D
	Fluoro Carbon Oils	D	-	-	-	-	A
	Fluorobenzene	D	-	-	-	-	A
	Fluosilicic Acid	D	B	A1	A	A	A
	Formaldehyde 100%	A	A	A	A	A	A

	Formaldehyde 40%	B	A	A	A	A	A
	Formic Acid	A	A1	A	A	A	A
	Freon ® 11	D	A	A	-	A	A
	Freon 113	-	-	B	-	-	A
	Freon 12	B1	B	A	B	B	A
	Freon 22	D	A	A	A	A	A
	Freon TF	D	A	B	-	A	A
	Freon114	D	-	A	-	-	A
	Freon21	D	-	A	-	-	A
	Fruit Juice	A	A	A	-	-	A
	Fuel Oils	C1	B	B	B	B	B
	Furan Resin	A	A	D	-	A	A
	Furfural	A1	B	B2	A	A	A
	Gallic Acid	D	B	A1	A	A	B
	Gasoline (high-aromatic)	D	B	B	-	B	B
	Gasoline, leaded, ref.	A	A2	A	A2	A2	A
	Gasoline, unleaded	A2	A2	A	A2	A2	A
	Gelatin	A	A2	A	-	A	A
	Glucose	A	A	A	A	A	A
	Glue, P.V.A.	A	A2	-	-	A2	A
	Glycerin	A	A	A	A	A	A
	Glycolic Acid	-	A	B	-	A	A
	Glycols	B	B	A	A	A	A
	Gold Monocyanide	-	D	D	-	D	D
	Grape Juice	-	A	A	-	A	A
	Grease	-	A	A	-	A	A
	Heptane	A	A	A	A	A	A
	Hexane	A	A	A	A	A	A
	Honey	A	A	A	-	A	A
	Hydraulic Oil (Petro)	A	A	A	A	A	A
	Hydraulic Oil (Synthetic)	A	A	A	A	A	A
	Hydraulic Oils (Petroleum)	A	A	A	A	A	A
	Hydrazine	-	A	A	-	A	A
	Hydrochloric Acid 10%	D	D	A	D	D	A
	Hydrochloric Acid 38%	D	D	A	-	D	A
	Hydrochloric Acid 37%	D	D	A	-	D	A
	Hydrochloric Acid, Dry Gas	D	D	A	-	D	A
	Hydrocyniac Acid	A	A	A	-	A	A
	Hydrofluoric Acid 100%	D	B1	A	B1	B1	A
	Hydrofluoric Acid 20%	D	D	A	D	D	A
	Hydrofluoric Acid 50%	D	D	A	D	D	A
	Hydrofluoric Acid 75%	D	D	A	D	D	A
	Hydrofluosilicic 20%	D	B1	A	A	A	A
	Hydrofluosilicic Acid 100%	D	D	A1	D	D	A
	Hydrogen Gas	A	A	A	A	A	A
	Hydrogen Peroxide 10%	A	B	A	B	B	A
	Hydrogen peroxide 100%	A	A2	A1	C	A2	A
	Hydrogen Peroxide 30%	A	B	A	C	B	A
	Hydrogen Peroxide 50%	A	A2	A1	C	A2	A
	Hydrogen Sulfide (acqua)	B	A	A	A	A	A
	Hydrogen Sulfide (dry)	B	A	A	A	A	A
	Hydroquinone	B	B	-	-	A	A
	Hydroxyacetic Acid 70%	-	-	A	-	-	A
	Hypochlorous Acid	D	D	A	-	D	A
	Ink	-	C	A	-	C	A
	Iodine	A	D	A2	D	D	A
	Iodoform	-	A	C	-	A	C
	Isopropyl Acetate	D	A	D	A	A	A
	Isopropyl Chloride	D	A	-	-	A1	A
	Isopropyl Ether	A1	A1	D1	A1	A1	A1
	Jet Fuel (JP3, JP4, JP5)	A	A	B	A	A	A
	Kerosene	A	A	A	A	A	A
	Ketones	B	A	C1	A	A	A
	Lacquer Thinners	A	A	-	A	A	A
	Lacquers	A	A	D	A	A	A
	Lactic Acid	B	B1	B1	B	A	A
	Lard	A	A	A	A	A	A
	Latex	A	A2	A	-	A	A
	Lead Acetate	D	B1	A	B1	B1	A
	Lead Nitrate	D1	B1	A2	-	B1	A1
	Lead Sulfamate	C	C	B	-	C	B1
	Ligroin	D	A	A	-	A	A
	Lime	A1	A1	A1	A1	A1	A1
	Lime Bleach	D	A	-	-	A	A
	Lime Sulfur	-	A	A	A	A	A
	Linoleic Acid	A2	A	A2	-	A	A
	Lithium Chloride	D	A2	A2	-	A2	A
	Lithium Hydroxide	D	B	-	-	B	A
	Lubricants	A2	A2	A	A2	A2	A

	Lubricating Oils (Petroleum)	A	A	A	A	A	A
	Lye: Ca(OH)2 Calcium Hydroxide	C1	B	A2	B	B	A
	Lye: KOH Potassium Hydroxide	D	A1	A	A	A1	A
	Lye: NaOH Sodium Hidroxide	D	B1	D	-	B1	A
	Magnesium Bisulfate	D	A1	-	A1	A1	A
	Magnesium Carbonate	A1	B1	A1	-	B1	A1
	Magnesium Nitrate	B	B	A	-	B1	A
	Magnesium Oxide	B	A	-	-	A	A
	Magnesium Sulfate (Epsom Salts)	B1	B	A	B	B	A
	Maleic Acid	B1	B	A	B1	B1	A
	Maleic Anhydride	A	A	A	-	A	A
	Malic Acid	B1	A2	A	A2	A2	A
	Manganese Sulfate	B1	B2	A2	-	B2	A
	Mayonnaise	A	A	A	-	A	A
	Mercuric Chloride (dilute)	D	D	A	-	D	A
	Mercuric Cyanide	D	C	B	-	C	B
	Mercurous Nitrate	D	A1	A	-	A1	A
	Mercury	D	A	A	A	A	A
	Mesityl Oxide	A	A	-	-	A	A
	Methane	A	A	A	-	A	A
	Methanol (Methyl Alcohol)	A1	A	A	A	A	A
	Methyl Acetate	A	B	B1	-	A	A
	Methyl Alcohol 10%	A1	A	A	A	A	A
	Methyl Bromide	D	A	A	C	A	A
	Methyl Cellosolve	B	B	A	B	B	A
	Methyl Chloride	X	A	A	C	A	A
	Methyl Ethyl Ketone	B	A	D	A	A	A
	Methyl Formate	A	B	-	-	B	A
	Methyl Isobutyl Ketone	B	B	D	-	A	A
	Methyl Salicylate	A	-	-	A	-	A
	Methylamine	A	A	C	-	A1	A
	Methylene Chloride	C	B	B1	C	A1	A
	Milk	A	A	A2	-	A	A
	Mineral Spirits	A	A	-	-	A	A
	Molasses	A	A	B1	-	A	A
	Monochloroacetic acid	D2	A2	B2	A2	A2	A2
	Monochlorobenzene	D	A	A	C	A	A
	Monoethanolamine	B	A	C	-	A	A
	Morpholine	A2	A2	B2	-	A	A2
	Motor Oil	A1	A2	B	-	A2	A
	Mustard	B	A	A	-	A	A
	N Hexaldehyde	A	A	-	-	A	A
	Naphtha	B	B	B	A	A	B
	Naphthalene	B1	A	A2	A	A	A
	Napthenic Acid	B	A	-	-	A	A
	Natural Gas	A	A	-	A	A	A
	Neatsfoot Oil	A	A	-	-	A	A
	Nickel Acetate	D	-	A	-	-	A
	Nickel Chloride	D	C	A	C	C	A
	Nickel Nitrate	D2	B2	A2	B2	B2	A2
	Nickel Sulfate	D	B1	A	B1	B1	A
	Nitric Acid (20%)	D	A	A	A	A	A
	Nitric Acid (50%)	D	A1	A1	C	A1	A
	Nitric Acid (5-10%)	A	A	A1	A	A	A
	Nitric Acid (Concentrated)	D	A1	A1	-	A1	A
	Nitric Acid Red Fuming	A	A	-	X	A	A
	Nitro Ethane	A	A	-	-	A	A
	Nitrobenzene	B	B	A1	B	B	A
	Nitrogen(Gas)	A	A	A	A	A	A
	Nitromethane	A	A1	A2	-	A1	A
	Nitrous Acid	D	B	B	-	B	A
	Nitrous Oxide	B	B	D	-	B	A
	Oils: Aniline	D	A	A	A	A	A
	Oils: Bone	-	A	A	-	A	A
	Oils: Castor	A	A	A	A	A	A
	Oils: Cinnamon	-	A	-	-	A	A
	Oils: Clove	B	A	-	-	A	A
	Oils: Coconut	A	A	A	A	A	A
	Oils: Cod Liver	A	A	A	-	A	A
	Oils: Corn	A	A	A	A	A	A
	Oils: Cottonseed	A	A	A	A	A	A
	Oils: Creosote	B	B	-	A	A	A
	Oils: Diesel Fuel (20, 30, 40, 50)	A	A	A	A	A	A
	Oils: Fuel (1, 2, 3, 5A, 5B, 6)	C1	A	B	-	A	A
	Oils: Ginger	-	D	A	-	D	A
	Oils: Hydraulic Oil (Petro)	A	A	A	A	A	A
	Oils: Hydraulic Oil (Synthetic)	A	A	A	A	A	A
	Oils: Lemon	A	A	A	-	A	A
	Oils: Linseed	B	A	A	A	A	A

	Oils: Mineral	A	A	A	A	A	A
	Oils: Olive	A1	A1	-	-	A1	A1
	Oils: Palm	-	A	A	-	A	A
	Oils: Peanut	A	A	A	-	A	A
	Oils: Peppermint	D	A	A	-	A	A
	Oils: Pine	A	A	A	A	A	A
	Oils: Rapeseed	-	A	A	-	A	A
	Oils: Rosin	B1	A1	A	-	A1	A
	Oils: sesame Seed	-	A	A	-	A	A
	Oils: Silicone	A	A	A	A	A	A
	Oils: Soybean	A	A	A	-	A	A
	Oils: Sperm (whale)	-	A	A	-	A	A
	Oils: Transformer	A	A	A	A	A	A
	Oils: Turbine	A	A	A	-	A	A
	Oleic Acid	A	A	A	A	A	A
	Oleum 100%	B	A	D	X	A	A
	Oleum 25%	B	B	C1	X	B	A
	Oleum Spirits	D	B	-	-	B	A
	Oxalic Acid (cold)	A1	A1	B1	A1	A1	A1
	Oxgen Cold	A	A	A	-	A	A
	Oxygen 200 400 F	A	A	-	-	A	A
	Ozone	B	A	A	A	A	A
	Paint Thinner, Duco	A	A	-	-	A	A
	Palmitic Acid	B2	A2	A2	A2	A2	A2
	Paraffin	A	A	A	-	A	A
	Pechloric Acid	D	C	A	C	C	A
	Pentane	B	C	A	A	A	A
	Perchloroethylene	C	A1	A	A1	A1	A
	Petrolatum	-	A	C	-	A	C
	Petroleum	D2	A2	A2	A	A	A2
	Petroleum Above 250	A	A	-	-	A	A
	Petroleum Below 250	A	A	A	-	A	A
	Phenil (Carbolic Acid)	A	B	A1	-	B	A
	Phenol (10%)	A	B	A	B	B	A
	Phenol (Carbolic Acid)	B	A	A	-	A	A
	Phenyl Ethyl Ether	-	-	D	-	-	A
	Phenyl Hydrazine	-	-	C	-	-	A
	Phorone	-	-	C	-	-	A
	Phosphoric Acid 20%	C	A	A	A	A	A
	Phosphoric Acid 40%	C	B	A	B	B	A
	Phosphoric Acid 40% - 100%	C	B	A	B	B	A
	Phosphoric Acid (crude)	C	B	A	-	B	A
	Potassium Chromate	B1	B1	B1	-	B1	A1
	Potassium Cyanide Solutions	D	B1	A	B1	B1	A
	Potassium Dichromate	B	B1	A	B1	B1	A
	Potassium Ferricyanide	B2	B2	A2	-	B2	A2
	Potassium Ferrocynaide	B1	B	A	-	B	A
	Potassium Hydroxide (Caustic Potash	D	A1	A	A	A1	A
	Potassium Hypochlorite	D2	B2	A2	-	B2	A2
	Potassium Iodide	B2	A2	A2	-	A2	A2
	Potassium Nitrate	B	B	A	B	B	A
	Potassium Oxalate	B2	B2	-	-	B2	A2
	Potassium Permanganate	B1	B	A	B	B	A
	Potassium Sulfate	C	A	A	A	A	A
	Potassium Sulfide	D	B	A	-	B	A
	Propane (liquefied)	A	A	A	A	A	A
	Propyl Acetate	-	-	A	A	A	A
	Propyl Nitrate	A	-	-	-	-	A
	Propylene	A2	A2	-	-	A2	A2
	Propylene Glycol	B	B	-	B	B	A
	Propylene Oxide	B	A	D	-	A1	A
	Pydrauls	-	-	A	-	-	A
	Pyridine	B	A	D	-	A	A
	Pyrogallic Acid	B	B	A	-	B	A
	Pyroligneous Acid	D	B	A	-	B	A
	Rosins	B1	A1	-	-	A1	A
	Sal Ammoniac	D	A	-	A	A	A
	Salicylic Acid	B2	B2	A2	-	B2	A2
	Salt Brine (NaCl saturated)	B2	A2	A2	-	A2	A2
	Sea Water	B	C	A	A1	A1	A
	Sewage	B	A	-	A1	A1	A
	Shellac (Bleached)	A	A	-	-	A	A
	Shellac (Orange)	A	A	-	-	A	A
	Silicone	A	A	A	A	A	A
	Silver Bromide	D	D	-	-	D	A
	Silver Nitrate	D	B	A	B	B	A
	Skydrol 500	-	-	A	-	-	A
	Skydrol 7000	-	-	A	-	-	A
	Soap Solutions	C	A1	A1	A	A	A

	Soda Ash (see Sodium Carbonate)	D	A	A	A	A	A
	Sodium Acetate	B	B1	A	B1	B1	A
	Sodium Aluminate	-	A	-	-	A	A
	Sodium Benzoate	A2	-	A2	-	-	A2
	Sodium Bicarbonate	D	A1	A	A1	A1	A
	Sodium Bisulfate	D	C	A	C	C	A
	Sodium Bisulfite	D	B1	A	B1	B1	A
	Sodium Borate	C	B	A	B	B	A
	Sodium Borate (Borax)	C	B	A	B	B	A
	Sodium Bromide	D2	C2	A2	-	C2	A2
	Sodium Carbonate	D	A	A	A	A	A
	Sodium Chlorate	B	A	A	-	A	A
	Sodium Chloride	C	C	A	C	C	A
	Sodium Ferrocyanide	A	B	A	-	B	A
	Sodium Fluoride	B1	D1	A1	-	D1	A1
	Sodium Hydrosulfite	A	A1	-	-	A1	A
	Sodium Hydroxide (20%)	D	B2	A	B2	B2	A
	Sodium Hydroxide (50%)	D	B1	A	B1	B1	A
	Sodium Hydroxide (80%)	D1	B1	A1	B1	B1	A1
	Sodium Hypochlorite (<20%)	D	C	A	C	C	A
	Sodium Hypochlorite (100%)	D	D	A	D	D	A
	Sodium Hyposulfate	D	A	-	-	A	A
	Sodium Metaphosphate	C	A	A	A	A	A
	Sodium Metasilicate	D	A	-	-	A	A
	Sodium Nitrate	B	B1	A	B1	B1	A
	Sodium Perborate	C	B	-	-	B	A
	Sodium Peroxide	C	A	A	A	A	A
	Sodium Polyphosphate	D	B	A	B	B	A
	Sodium Silicate	A	B	A	B	B	A
	Sodium Sulfate	A	B1	A	B1	B1	A
	Sodium Sulfide	D	D	A	D	D	A
	Sodium Sulfite	C1	A	A	A	A	A
	Sodium Tetraborate	C	A	-	-	A	A
	Sodium Thiosulfate	A	B	A	B	B	A
	Stannic Chloride	D	D	A	D	D	A
	Stannous Chloride	D	A2	A	A2	A2	A
	Starch	A	A	-	-	A	A
	Steam 220 300 F	D	D	D	X	D	D
	Stearic Acid	B	A	A	A	A	A
	Stoddard Solvent	A	A	A	A	A	A
	Styrene	A	A	-	C	A	A
	Sugar (Liquids)	A	A	-	-	A	A
	Sulfate (Liquors)	D	B	A	-	B	A
	Sulfite Liquors	D	B	A	-	B	A
	Sulfur	D	A	A	A	A	A
	Sulfur Chloride	D	D	A	-	D	A
	Sulfur Dioxide	D	A	A	B	A	A
	Sulfur Dioxide (dry)	B	A	A	B	A	A
	Sulfur Trioxide	D	B	-	X	B	A
	Sulfur Trioxide Dry	A	C	-	X	C	A
	Sulfuric Acid (<10%)	D	B	A	B	B	A
	Sulfuric Acid (10-50%)	D	D	A	D	D	A
	Sulfuric Acid 75-100%)	D	D	A	D	D	A
	Sulfurous Acid	B1	B	A	B	B	A
	Tallow	A	A	-	A	A	A
	Tannic Acid	C	A	B	A	A	A
	Tanning Liquors	A	A2	-	-	A2	A
	Tar, Bituminous	-	B	A	-	B	A
	Tartaric Acid	B1	C2	B	A	A	A
	Terpineol	A	A	-	-	A	A
	Tertiary Butyl Catechol	C	A	-	-	A	A
	Tetrachloroethane	C	A	A	B	A	A
	Tetrachloroethylene	-	A	-	B	A	A
	Tetrahydrofuran	-	A	B1	-	A	A
	Tetralin	A	A	-	-	A	A
	Thionyl Chloride	D	-	A	-	-	A
	Tin Salts	D	D	A	D	D	A
	Titanium Tetrachloride	D	B	-	-	B	A
	Toluene (Toluol)	A	A	A	A	A	A
	Toluene Diisocyanate	-	A	-	-	A	A
	Tomato Juice	A	A	A	-	A	A
	Transformer Oil	A	A	A	A	A	A
	Transmission Fluid Type A	A	A	-	-	A	A
	Triacetin	B	-	-	-	-	A
	Triaryl Phosphate	D	D	-	-	D	A
	Trichloroacetic Acid	D	C	B	-	C	A
	Trichloroethane	D	B	A	-	A	A
	Trichloroethylene	D	B	B	B	A	A
	Trichloropropane	D1	A1	-	-	A	A1

	Tricresylphosphate	D	B	D	-	A	A
	Triethanol Amine	B	A	A	A1	A1	A
	Triethyl Aluminum	-	D	-	-	D	A
	Triethyl Borane	-	D	-	-	D	A
	Triethylamine	-	A	A2	-	A1	A
	Trinitrotoluene	-	D	-	-	D	A
	Trioctyl Phosphate	-	D	-	-	A	A
	Trisodium Phosphate	D	B	A	B	B	A
	Tung Oil	A	A	-	A	A	A
	Turpentine	A	A	A	A	A	A
	Unleaded Gasoline	A	D	-	D	D	A
	Urea	B	B	A	B	B	A
	Uric Acid	D	B	-	-	B	A
	Urine	B1	A1	A1	-	A1	A1
	Varnish	A	A	-	A	A	A
	Vegetable Juice	D	A	-	A	A	A
	Vinegar	D	A	B	A	A	A
	Vinyl Acetate	A2	B	A2	B	B	A2
	Vinyl Chloride	B2	A2	B2	A2	A2	A2
	Water, Acid, Mine	D	B	A	-	B	A
	Water, Delonized	A2	A2	A2	-	A2	A2
	Water, demineralized, Distilled	A	A	A	-	A	A
	Water, Fresh	B	A	A	A	A	A
	Water, Salt	B	B	A	B	B	A
	Whey	B	A	-	-	A	A
	Whiskey & Wines	C1	A	A	A	A	A
	White Liquor (Pulp Mill)	B	A	A1	-	A	A
	Xylene	A1	B	A	B	A	A
	Zinc Chloride	D	B	A	B	B	A
	Zinc Hydrosulfite	D	A	-	-	A	A
	Zinc Sulfate	B	A	A	A	A	A