CHEMICAL COMPATIBILITY CHART

BE Polypropylene Pumps are used in various Agriculture and Industrial liquid flow applications. BE Polypropylene Pumps are available in glass injected polypropylene material and are available in 2" and 3" options.

BE Polypropylene Pump Options Include:

- Pump with Petrol or Diesel Engine
- Pedestal Pump
- Pump Only
- Pump with Electric Motor
- Chemical Pump
- Hydraulic Pump
- Wet Seal Pump
- Stainless Steel

Consult your BAR representative for chemical applications involving temperatures greater than 26°C

The following chemical compatibility chart is only to be used as a guide to selecting the proper pump for your specific application.

To the best of our knowledge, the information contained herein is correct. However, we do not assume any liability whatsoever for the accuracy or inaccuracy, or the completeness, or incompleteness, of the information contained herein.

Final determination of the suitability of any information or material for the use intended, or the manner of use, is the sole responsibility of the user.

If unsure consult your nearest authorized BAR distributer.

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
1,2,2,2-Tetrafluoroethane, pure - Hydrocarbon, Aliphatic, Halogenated	D	D	D	D	D	D	D	D
1,2-ethanediol, 30% - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
1,2-ethanediol, pure - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
1,2-propanediol, pure - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
1,3-Benzenediol, 5% - Alcohol, Aromatic, Polyol	A	D	D	D	D	D	D	D
1,3-Benzenediol, pure - Alcohol, Aromatic, Polyol	A	D	D	D	D	D	D	D
1,3-Benzenediol, saturated - Alcohol, Aromatic, Polyol	A	D	D	D	D	D	D	D
1,3-Butylene Glycol, pure - Alcohol, Aliphatic, Polyol	D	D	D	D	D	D	D	D
1,4-benzoquinone, pure - Ketone, Aliphatic, Cyclic	D	D	D	D	D	D	D	D
1-Dodecanol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
1-Hexadecanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
1-Propanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
1-Propanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
2,(2-Ethoxyethoxy)ethanol, pure - Ether, Aliphatic, Alcohol	A	D	D	D	D	D	D	D
2,4,6-Trimethyl-1,3,5-trioxane, pure - Ketone, Aliphatic, Cyclic	D	D	D	D	D	D	D	D
2-Butoxyethanol, pure - Ether, Aliphatic, Alcohol	D	D	D	D	D	D	D	D
2-Mercaptoethanol, pure - Alcohol, Aliphatic, Mercaptan	D	D	D	D	D	D	D	D
2-Methoxyethanol Acetate, pure - Ether, Aliphatic, Ester	C	D	D	D	D	D	D	D
2-Methoxyethanol, pure - Ether, Aliphatic, Alcohol	B	D	D	D	D	D	D	D
2-Propanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
2-Propanol, 30% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
2-Propanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
3-Pentanone, pure - Ketone, Aliphatic	B	D	D	D	D	D	D	D
4-Hydroxy-4-methyl-2-pentanone, pure - Ketone, Aliphatic, Alcohol	A	D	D	D	D	D	D	D
Abietic Acid	D	D	D	D	D	D	D	D
Acetaldehyde	B	A	A	A	A	C	C	C
Acetamide	A	D	D	D	D	A	C	A
Acetanilide	D	D	D	D	D	A	C	C
Acetic Acid, <5% - Acid, Organic	A	A	A	A	D	A	A	D
Acetic Acid, 1% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, 10% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, 100% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, 25% - Acid, Organic	A	D	D	D	D	D	D	D

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Acetic Acid, 30%	A	D	D	D	D	A	D	D
Acetic Acid, 5%	A	D	D	D	D	A	A	B
Acetic Acid, 50% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, 60% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, 90% - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, Glacial	A	B	A	A	D	D	C	C
Acetic Acid, Glacial - Acid, Organic	A	D	D	D	D	D	D	D
Acetic Acid, Hot, High Pressure	D	D	D	D	D	C	C	C
Acetic Anhydride	B	A	A	A	A	C	C	C
Acetoacetic Acid	D	D	D	D	D	A	C	C
Acetone	B	A	A	A	A	A	C	C
Acetone Cyanohydrin	D	D	D	D	D	A	C	C
Acetonitrile	A	D	D	D	D	A	A	C
Acetophenetidine	D	D	D	D	D	C	A	B
Acetophenone	C	D	D	D	D	A	C	C
Acetotoluidide	D	D	D	D	D	C	A	B
Acetyl Acetone	D	D	D	D	D	A	C	C
Acetyl Bromide	D	D	D	D	D	A	A	C
Acetyl Chloride	D	D	D	D	D	C	A	C
Acetylene	C	A	A	A	A	A	A	A
Acetylene Tetrabromide	D	D	D	D	D	A	A	C
Acetylene Tetrachloride	D	D	D	D	D	A	A	C
Acetylsalicylic Acid	D	D	D	D	D	C	A	B
Acidic Cleaning Solution - Detergent	D	D	D	D	D	D	D	D
Acids, Non-organic	D	D	D	D	D	D	D	D
Acids, Organic	D	D	D	D	D	D	D	D
Aconitic Acid	D	D	D	D	D	D	D	D
Acridine	D	D	D	D	D	D	D	D
Acrolein	D	D	D	D	D	A	C	C
Acrylamide, pure - Misc.	A	D	D	D	D	D	D	D
Acrylic Acid	D	A	A	A	D	C	D	B
Acrylonitrile	C	B	A	A	D	C	C	C
Adipic Acid	A	B	A	A	D	A	D	A
Aero Lubriplate	D	D	D	D	D	C	A	A
Aero Shell 17 Grease	D	D	D	D	D	C	A	A
Aero Shell 750	D	D	D	D	D	C	A	B
Aero Shell 7A Grease	D	D	D	D	D	C	A	B
Aero Shell IAC	D	D	D	D	D	C	A	A
Aerosafe 2300	D	D	D	D	D	A	C	C
Aerosafe 2300W	D	D	D	D	D	A	C	C
Aerozene 50 (50% Hydrazine 50% UDMH)	D	D	D	D	D	A	C	C
Air Below 200° F	D	D	D	D	D	A	A	B
Air, 200 - 300° F	D	D	D	D	D	B	A	C
Air, 300 - 400° F	D	D	D	D	D	C	A	C

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Air, 400 - 500° F	D	D	D	D	D	C	C	C
Alanine, pure - Misc.	A	D	D	D	D	D	D	D
Alconox detergent - Detergent	A	D	D	D	D	D	D	D
Aliphatic Dicarboxylic Acid	D	D	D	D	D	C	A	B
Alkaline Sucrose - Misc.	A	D	D	D	D	D	D	D
Alkanes (Paraffin Hydrocarbons)	D	D	D	D	D	C	A	A
Alkanesulfonic Acid	D	D	D	D	D	C	A	A
Alkazene	D	D	D	D	D	C	B	C
Alkenes (Olefin Hydrocarbons)	D	D	D	D	D	C	A	B
Alkyl Acetone	D	D	D	D	D	A	C	C
Alkyl Alcohol	D	D	D	D	D	C	A	A
Alkyl Amine	D	D	D	D	D	C	A	A
Alkyl Aryl Sulfonates	D	D	D	D	D	C	A	A
Alkyl Aryl Sulfonics	D	D	D	D	D	C	A	A
Alkyl Benzene	D	D	D	D	D	C	A	B
Alkyl Chloride	D	D	D	D	D	C	A	B
Alkyl Sulfide	D	D	D	D	D	C	A	B
Alkylnaphthalene Sulfonic Acid	D	D	D	D	D	C	A	A
Allyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Allyl Chloride	D	D	D	D	D	C	A	B
Allylidene Diacetate	D	D	D	D	D	A	C	C
Alpha Picoline	D	D	D	D	D	A	C	C
Alum, 5% - Salt, Inorganic	A	B	A	A	D	A	A	A
Alum, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Aluminum Acetate	D	D	D	D	D	A	C	B
Aluminum Bromide	D	D	D	D	D	A	A	A
Aluminum Chlorate	D	D	D	D	D	A	C	C
Aluminum Chloride	A	C	A	A	A	A	A	A
Aluminum Ethylate	D	D	D	D	D	D	D	D
Aluminum Fluoride	A	D	D	D	D	A	A	A
Aluminum Fluorosilicate	D	D	D	D	D	D	D	D
Aluminum Formate	D	D	D	D	D	A	C	C
Aluminum Hydroxide	A	D	D	D	D	A	B	B
Aluminum Linoleate	D	D	D	D	D	C	A	A
Aluminum Nitrate	D	D	D	D	D	A	A	A
Aluminum Oxalate	D	D	D	D	D	A	C	C
Aluminum Phosphate	D	D	D	D	D	A	A	A
Aluminum Potassium Sulfate	A	D	D	D	D	A	C	C
Aluminum Salts	A	D	D	D	D	A	A	A
Aluminum Sodium Sulfate	D	D	D	D	D	A	C	C
Aluminum Sulfate	A	C	A	A	A	A	A	A
Alums-NH3 -Cr -K	D	D	D	D	A	A	C	A
Ambrex 33 (Mobil)	D	D	D	D	D	C	A	A
Ambrex 830 (Mobil)	D	D	D	D	D	C	A	A

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Amines-Mixed	D	D	D	D	A	B	C	C
Amino Acids, pure - Misc.	A	D	D	D	D	D	D	D
Aminoanthraquinone	D	D	D	D	D	D	D	D
Aminoazobenzene	D	D	D	D	D	D	D	D
Aminobenzene Sulfonic Acid	D	D	D	D	D	D	D	D
Aminobenzoic Acid	D	B	A	A	D	C	C	C
Aminopyridine	D	D	D	D	D	D	D	D
Aminosalicylic Acid	D	D	D	D	D	D	D	D
Ammonia (Anhydrous)	D	A	A	A	A	A	C	C
Ammonia and Lithium Metal in Solution	D	D	D	D	D	B	C	B
Ammonia, 25% - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Ammonia, Gas, Cold	A	D	D	D	D	A	C	A
Ammonia, Gas, Hot	D	D	D	D	D	B	C	C
Ammonia, Liquid (Anhydrous)	D	D	D	D	D	A	C	B
Ammonium Acetate	A	D	D	D	D	A	C	C
Ammonium Arsenate	D	D	D	D	D	A	C	C
Ammonium Benzoate	D	D	D	D	D	A	C	C
Ammonium Bicarbonate	D	D	D	D	D	A	C	C
Ammonium Bisulfite	D	D	D	D	D	A	C	C
Ammonium Bromide	D	D	D	D	D	A	A	A
Ammonium Carbamate	D	B	A	A	D	A	C	C
Ammonium Carbonate	A	B	A	A	D	A	A	C
Ammonium Chloride, 2N	A	D	D	D	A	A	A	A
Ammonium Citrate	D	D	D	D	D	A	C	C
Ammonium Dichromate	D	D	D	D	D	A	C	C
Ammonium Diphosphate	D	D	D	D	D	A	C	C
Ammonium Fluoride	A	D	D	D	D	A	A	A
Ammonium Fluorosilicate	D	D	D	D	D	D	D	D
Ammonium Formate	D	D	D	D	D	A	C	C
Ammonium Glycolate, pure - Salt, Inorganic, Amine	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 10% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 1N - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 25% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 28% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 3 Molar	A	B	A	A	A	A	C	C
Ammonium Hydroxide, 30% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 5% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 6% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, 6N - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Hydroxide, Concentrated	A	B	A	A	A	A	C	C
Ammonium Hydroxide, pure - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Ammonium Iodide	D	D	D	D	D	A	A	A
Ammonium Lactate	D	D	D	D	D	A	C	C
Ammonium Metaphosphate	D	D	D	D	D	A	C	C

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Ammonium Molybdenate	D	D	D	D	D	A	C	C
Ammonium Nitrate, 2N	A	A	A	A	A	A	C	A
Ammonium Nitrite	D	D	D	D	D	A	D	A
Ammonium Oxalate	A	D	D	D	D	A	C	C
Ammonium Perchlorate	D	D	D	D	D	A	C	C
Ammonium Perchloride	D	D	D	D	D	D	D	D
Ammonium Persulfate 10%	D	D	D	D	D	A	D	C
Ammonium Persulfate Solution	A	D	D	D	D	A	D	C
Ammonium Phosphate	A	B	A	A	D	A	C	A
Ammonium Phosphate, Dibasic	D	D	D	D	A	A	D	A
Ammonium Phosphate, Mono-Basic	D	D	D	D	A	A	D	A
Ammonium Phosphate, Tribasic	D	D	D	D	A	A	D	A
Ammonium Phosphite	D	D	D	D	D	A	C	C
Ammonium Picrate	D	D	D	D	D	A	C	C
Ammonium Polysulfide	D	D	D	D	D	A	C	C
Ammonium Salicylate	D	D	D	D	D	A	C	C
Ammonium Salts	A	D	D	D	D	A	C	A
Ammonium Sulfamate	D	D	D	D	D	A	C	C
Ammonium Sulfate	A	B	A	A	A	A	C	A
Ammonium Sulfate Nitrate	D	D	D	D	D	A	C	A
Ammonium Sulfide	A	D	D	D	D	A	C	A
Ammonium Sulfite	D	D	D	D	D	A	C	C
Ammonium Thiocyanate	D	D	D	D	D	A	C	C
Ammonium Thioglycolate	D	D	D	D	D	A	C	C
Ammonium Thiosulfate	D	D	D	D	D	A	C	C
Ammonium Tungstate	D	D	D	D	D	A	C	C
Ammonium Valerate	D	D	D	D	D	A	C	C
Amyl Acetate	B	D	D	D	A	C	C	A
Amyl Alcohol	A	A	A	A	A	A	C	C
Amyl Borate	D	D	D	D	D	C	A	A
Amyl Butyrate	D	D	D	D	D	C	A	A
Amyl Chloride	C	D	D	D	A	C	A	D
Amyl Chloronaphthalene	D	D	D	D	D	C	A	C
Amyl Cinnamic Aldehyde	D	D	D	D	D	C	A	B
Amyl Laurate	D	D	D	D	D	C	A	B
Amyl Mercaptan	D	D	D	D	D	C	A	B
Amyl Naphthalene	D	D	D	D	D	C	A	C
Amyl Nitrate	D	D	D	D	D	A	C	C
Amyl Nitrite	D	D	D	D	D	A	C	C
Amyl Phenol	D	D	D	D	D	D	D	D
Amyl Propionate	D	D	D	D	D	C	A	A
Anderol, L- 826 (di-ester)	D	D	D	D	D	C	A	B
Anderol, L- 829 (di-ester)	D	D	D	D	D	C	A	B
Anderol, L-774 (di-ester)	D	D	D	D	D	C	A	B

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
ANG-25 (Di-ester Base) (TG749)	D	D	D	D	D	C	A	B
ANG-25 (Glyceral Ester)	D	D	D	D	D	A	A	B
Aniline	A	A	A	A	A	C	C	C
Aniline Dyes	D	A	A	A	A	C	C	C
Aniline Hydrochloride	D	D	D	D	D	B	B	B
Aniline Hydrochloride	D	D	D	D	D	A	C	C
Aniline Oil	D	D	D	D	D	B	C	C
Aniline Sulfate	D	D	D	D	D	A	C	C
Aniline Sulfite	D	D	D	D	D	A	C	C
Animal Fats	D	D	D	D	D	B	A	A
Animal Oil (Lard Oil)	D	D	D	D	A	B	A	A
Anisole	D	D	D	D	D	D	D	D
Anisoyl Chloride	D	D	D	D	D	D	D	D
AN-O-3 Grade M	D	D	D	D	D	C	A	A
AN-O-366	D	D	D	D	D	C	A	A
AN-O-6	D	D	D	D	D	C	A	A
Ansul Ether 161 or 181	D	D	D	D	D	C	C	C
Anthracene	D	D	D	D	D	C	A	B
Anthranilic Acid	D	D	D	D	D	D	D	D
Anthraquinone	D	D	D	D	D	D	D	D
Anti-freeze Solutions	D	D	D	D	D	A	C	C
Antimony Chloride	D	D	D	D	D	C	A	A
Antimony Pentachloride	D	D	D	D	D	C	A	A
Antimony Pentafluoride	D	D	D	D	D	D	D	D
Antimony Sulfate	D	D	D	D	D	D	D	D
Antimony Tribromide	D	D	D	D	D	C	A	A
Antimony Trichloride	D	D	D	D	D	C	A	A
Antimony Trifluoride	D	D	D	D	D	C	A	A
Antimony Trioxide	D	D	D	D	D	C	A	A
AN-VV-O-366b Hydr. Fluid	D	D	D	D	D	C	A	A
Aqua Regia	C	C	C	A	D	C	C	C
Arachidic Acid	D	D	D	D	D	D	D	D
Argon	D	D	D	D	D	A	A	A
Aroclor, 1248	D	A	A	A	D	C	A	C
Aroclor, 1254	D	D	D	D	D	B	A	C
Aroclor, 1260	D	D	D	D	D	D	A	A
Aromatic Fuel -50%	D	D	D	D	D	C	A	B
Arsenic Acid	A	B	A	A	A	A	A	A
Arsenic Oxide	D	D	D	D	D	D	D	D
Arsenic Trichloride	D	D	D	D	D	C	C	A
Arsenic Trioxide	D	B	A	A	D	D	D	A
Arsenic Trisulfide	D	D	D	D	D	C	C	A
Arsenites	D	D	D	D	D	D	D	D
Arsine	D	D	D	D	D	D	D	D

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Aryl Orthosilicate	D	D	D	D	D	D	D	D
Ascorbic Acid	D	A	A	A	D	D	C	C
Askarel Transformer Oil	D	D	D	D	D	C	A	B
Aspartic Acid	D	D	D	D	D	A	C	C
Asphalt	D	A	A	A	A	C	A	B
ASTM Oil, No.1	D	D	D	D	D	C	A	A
ASTM Oil, No.2	D	D	D	D	D	C	A	A
ASTM Oil, No.3	D	D	D	D	D	C	A	A
ASTM Oil, No.4	D	D	D	D	D	C	A	B
ASTM Oil, No.5	D	D	D	D	D	C	A	A
ASTM Reference Fuel A	D	D	D	D	D	C	A	A
ASTM Reference Fuel B	D	D	D	D	D	C	A	A
ASTM Reference Fuel C	D	D	D	D	D	C	A	B
ASTM Reference Fuel D	D	D	D	D	D	C	A	B
Asymmetrical Trimetylbenzene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
ATL-857	D	D	D	D	D	C	A	B
Atlantic Dominion F	D	D	D	D	D	C	A	A
Atlantic Utro Gear-e	D	D	D	D	D	C	A	A
Atlantic Utro Gear-EP Lube.	D	D	D	D	D	C	A	A
Aure 903R (Mobil)	D	D	D	D	D	C	A	A
AUREX 256	D	D	D	D	D	D	D	D
Automatic Transmission Fluid	D	D	D	D	D	C	A	A
Automotive Brake Fluid	D	D	D	D	D	A	C	C
AXAREL 9100	D	D	D	D	D	D	D	D
Azobenzene	D	D	D	D	D	D	D	D
Bardol B	D	D	D	D	D	C	A	C
Barium Carbonate	D	D	D	D	D	A	C	C
Barium Chlorate	D	D	D	D	D	A	C	C
Barium Chloride	D	B	A	A	D	A	A	A
Barium Cyanide	D	D	D	D	A	A	A	A
Barium Hydroxide	D	A	A	A	A	A	A	A
Barium Iodide	D	D	D	D	D	A	A	A
Barium Nitrate	D	B	A	A	D	A	C	C
Barium Oxide	D	D	D	D	D	A	A	A
Barium Peroxide	D	D	D	D	D	A	C	C
Barium Polysulfide	D	D	D	D	D	A	C	C
Barium Salts	A	D	D	D	D	A	A	A
Barium Sulfate	D	B	A	A	D	A	A	A
Barium Sulfide	D	D	D	D	A	A	A	A
Bayol 35	D	D	D	D	D	C	A	A
Bayol D	D	D	D	D	D	C	A	A
Beer	A	A	A	A	A	A	A	A
Beet Sugar Liquids	D	D	D	D	D	A	A	A
Beet Sugar Liquors	D	D	D	D	A	A	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Benzaldehyde	A	D	D	D	A	A	C	C
Benzaldehyde Disulfonic Acid	D	D	D	D	D	D	D	D
Benzamide	D	D	D	D	D	C	A	B
Benzanthrone	D	D	D	D	D	C	A	B
Benzenamine, pure - Amine, Aromatic	A	D	D	D	D	D	D	D
Benzene	C	B	A	A	A	C	A	C
Benzene Hexachloride	D	D	D	D	D	D	D	D
Benzenesulfonic Acid 10%	D	D	D	D	D	C	A	C
Benzenesulfonic Acid, pure - Acid, Organic, Aromatic	A	D	D	D	D	D	D	D
Benzidine	D	D	D	D	D	C	A	B
Benzidine 3 Sulfonic Acid	D	D	D	D	D	C	A	B
Benzil	D	D	D	D	D	C	A	B
Benzilic Acid	D	D	D	D	D	C	A	B
Benzine (Ligroin)	D	D	D	D	D	C	A	A
Benzocatechol	D	D	D	D	D	C	A	B
Benzochloride	D	D	D	D	D	A	A	C
Benzoic Acid	A	B	A	A	A	C	A	C
Benzoin	D	D	D	D	D	C	A	B
Benzonitrile	D	D	D	D	D	A	C	C
Benzophenone	D	D	D	D	D	B	A	D
Benzoquinone	D	D	D	D	D	B	A	D
Benzotrichloride	D	D	D	D	D	A	A	C
Benzotrifluoride	D	D	D	D	D	A	A	C
Benzoyl Chloride	D	D	D	D	D	D	A	D
Benzoyl Peroxide	D	D	D	D	D	D	D	D
Benzoylsulfonilic Acid	D	D	D	D	D	C	A	B
Benzyl Acetate	D	D	D	D	D	A	C	C
Benzyl Acetate, pure - Ester, Aromatic	A	D	D	D	D	D	D	D
Benzyl Alcohol	B	D	D	D	D	B	A	C
Benzyl Amine	D	D	D	D	D	D	D	D
Benzyl Benzoate	D	D	D	D	D	C	A	C
Benzyl Bromide	D	D	D	D	D	C	A	C
Benzyl Butyl Phthalate	D	D	D	D	D	A	C	C
Benzyl Carbinol, pure - Alcohol, Aromatic	D	D	D	D	D	D	D	D
Benzyl Chloride	B	D	D	D	D	C	A	C
Benzyl Phenol	D	D	D	D	D	C	A	B
Benzyl Salicylate	D	D	D	D	D	C	A	B
Beryllium Chloride	D	D	D	D	D	A	A	A
Beryllium Fluoride	D	D	D	D	D	A	A	A
Beryllium Oxide	D	D	D	D	D	A	A	A
Beryllium Sulfate	D	D	D	D	D	A	C	C
beta-Mercaptoethanol, pure - Alcohol, Aliphatic, Mercaptan	D	D	D	D	D	D	D	D
Bis(2-ethylhexyl) Phthalate, pure - Ester, Aromatic	B	D	D	D	D	D	D	D
Bismuth Carbonate	D	D	D	D	D	A	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Bismuth Nitrate	D	D	D	D	D	A	C	C
Bismuth Oxychloride	D	D	D	D	D	A	C	C
Bittern	D	D	D	D	D	D	D	D
Black Liquor	D	B	A	A	A	A	D	C
Black Point 77	D	D	D	D	D	A	A	A
Blast Furnace Gas	D	D	D	D	D	C	A	C
Bleach Liquor	D	D	D	D	D	A	A	C
Bleach Solutions	C	D	D	D	D	A	A	D
Borax	A	D	D	D	A	A	A	B
Borax Solutions	D	D	D	D	D	A	A	D
Bordeaux Mixture	D	D	D	D	D	A	A	B
Boric Acid	A	B	A	A	A	A	A	A
Boric Oxide	D	D	D	D	D	A	C	C
Borneol	D	D	D	D	D	C	A	B
Bornyl Acetate	D	D	D	D	D	C	A	B
Bornyl Chloride	D	D	D	D	D	C	A	B
Bornyl Formate	D	D	D	D	D	C	A	B
Boron Fluids (HEF)	D	D	D	D	D	C	A	B
Boron Hydride	D	D	D	D	D	D	D	D
Boron Phosphate	D	D	D	D	D	D	D	D
Boron Tribromide	D	D	D	D	D	D	D	D
Boron Trichloride	D	D	D	D	D	D	D	D
Boron Trifluoride	D	D	D	D	D	D	D	D
Boron Trioxide	D	D	D	D	D	D	D	D
Brake Fluid DOT3 (Glycol Type)	D	D	D	D	D	A	C	C
Bray GG-130	D	D	D	D	D	C	A	B
Brayco 719-R (VV-H-910)	D	D	D	D	D	A	C	C
Brayco 885 (MIL-L-6085A)	D	D	D	D	D	C	A	B
Brayco 910	D	D	D	D	D	A	C	B
Bret 710	D	D	D	D	D	A	C	B
Brine	A	C	A	A	D	A	A	A
Brine (Seawater)	D	D	D	D	D	C	A	A
Brom - 113	D	D	D	D	D	C	D	C
Brom - 114	D	D	D	D	D	C	B	B
Bromic Acid	D	D	D	D	D	A	C	C
Bromine	C	D	D	D	A	C	A	C
Bromine Pentafluoride	D	D	D	D	D	C	C	C
Bromine Trifluoride	D	D	D	D	D	C	C	C
Bromine Water	D	D	D	D	D	B	A	C
Bromobenzene	C	D	D	D	D	C	A	C
Bromobenzene Cyanide	D	D	D	D	D	A	C	C
Bromochloro Trifluoroethane (Halothane)	D	D	D	D	D	C	A	C
Bromoform	C	D	D	D	D	C	A	B
Bromomethane (Methyl Bromide)	D	D	D	D	D	C	A	B

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Bromotrifluoroethylene (BFE)	D	D	D	D	D	D	D	D
Bromotrifluoromethane (F-13B1)	D	D	D	D	D	D	D	D
Brucine Sulfate	D	D	D	D	D	A	C	C
Buffered Oxide Etchants	D	D	D	D	D	D	D	D
Bunker Oil	D	D	D	D	D	C	A	A
Bunker's C (Fuel Oil)	D	A	A	A	D	C	A	A
Butadiene (Monomer)	C	A	A	A	A	C	A	C
Butane	C	A	A	A	A	C	A	A
Butane, 2, 2-Dimethyl	D	D	D	D	D	C	A	A
Butane, 2, 3-Dimethyl	D	D	D	D	D	C	A	A
Butanedial	D	D	D	D	D	A	C	C
Butanediol, pure - Alcohol, Aliphatic, Polyol	D	D	D	D	D	D	D	D
Butanol (Butyl Alcohol)	A	D	D	D	A	B	A	A
Butene 2-Ethyl (1-Butene 2-Ethyl)	D	D	D	D	D	C	A	A
Butter-Animal Fat	D	D	D	D	D	A	A	A
Butyl Acetate or n-Butyl Acetate	C	A	A	A	A	C	C	C
Butyl Acetyl Ricinoleate	D	D	D	D	D	A	A	B
Butyl Acrylate	D	D	D	D	D	A	C	C
Butyl Alcohol	A	A	A	A	D	C	A	A
Butyl Alcohol (Secondary)	D	D	D	D	D	B	A	B
Butyl Alcohol (Tertiary)	D	D	D	D	D	B	A	B
Butyl Amine or N-Butyl Amine	D	D	D	D	D	C	C	A
Butyl Benzoate	D	D	D	D	D	A	C	C
Butyl Benzoate or n-Butyl Benzoate	D	D	D	D	D	A	A	C
Butyl Benzolate	D	D	D	D	D	D	D	D
Butyl Butyrate or n-Butyl Butyrate	D	D	D	D	D	A	A	C
Butyl Carbitol	D	D	D	D	D	A	C	C
Butyl Cellosolve	D	D	D	D	D	B	C	C
Butyl Cellosolve Acetate	D	D	D	D	D	A	C	C
Butyl Cellosolve Adipate	D	D	D	D	D	B	B	C
Butyl Chloride	C	D	D	D	D	C	A	A
Butyl Ether or n-Butyl Ether	D	D	D	D	D	C	C	C
Butyl Glycolate	D	D	D	D	D	A	C	C
Butyl Lactate	D	D	D	D	D	A	C	C
Butyl Laurate	D	D	D	D	D	A	C	C
Butyl Mercaptan (Tertiary)	D	D	D	D	D	C	A	C
Butyl Methacrylate	D	D	D	D	D	A	C	C
Butyl Oleate	D	D	D	D	D	B	A	C
Butyl Oxalate	D	D	D	D	D	A	C	C
Butyl Phthalate, pure - Ester, Aromatic	C	D	D	D	D	D	D	D
Butyl Stearate	D	D	D	D	D	C	A	B
Butylbenzoic Acid	D	D	D	D	D	C	A	B
Butylene	D	D	D	D	A	C	A	B
Butylene Glycol, pure - Alcohol, Aliphatic, Polyol	D	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Butyraldehyde	D	D	D	D	D	B	C	C
Butyraldehyde, pure - Aldehyde, Aliphatic	D	D	D	D	D	D	D	D
Butyric Acid	C	B	A	A	A	C	C	C
Butyric Anhydride	D	D	D	D	D	A	C	C
Butyrolacetone	D	D	D	D	D	A	C	C
Butyryl Chloride	D	D	D	D	D	C	A	B
Cadmium Chloride	D	D	D	D	D	A	C	C
Cadmium Cyanide	D	D	D	D	D	A	C	C
Cadmium Nitrate	D	D	D	D	D	A	C	C
Cadmium Oxide	D	D	D	D	D	A	C	C
Cadmium Sulfate	D	D	D	D	D	A	C	C
Cadmium Sulfide	D	D	D	D	D	A	C	C
Calcine Liquors	D	D	D	D	D	A	A	A
Calcium Acetate	D	D	D	D	D	A	C	B
Calcium Arsenate	D	D	D	D	D	A	C	C
Calcium Benzoate	D	D	D	D	D	C	A	B
Calcium Bicarbonate	D	D	D	D	D	A	C	C
Calcium Bisulfide	D	D	D	D	D	A	C	C
Calcium Bisulfite	A	A	A	A	A	A	C	B
Calcium Bromide	D	D	D	D	D	A	A	A
Calcium Carbide	D	D	D	D	D	D	D	D
Calcium Carbonate	D	A	A	A	D	A	A	A
Calcium Chlorate	D	D	D	D	A	A	C	C
Calcium Chloride	A	C	A	A	A	A	A	A
Calcium Chromate	D	D	D	D	D	A	C	C
Calcium Cyanamide	D	D	D	D	D	D	D	D
Calcium Cyanide	D	D	D	D	D	A	D	A
Calcium Fluoride	D	D	D	D	D	A	A	A
Calcium Gluconate	D	D	D	D	D	A	C	C
Calcium Hydride	D	D	D	D	D	A	A	A
Calcium Hydrosulfide	D	D	D	D	D	A	C	C
Calcium Hydroxide	A	B	A	A	A	A	A	A
Calcium Hypochlorite	A	C	C	A	A	A	A	B
Calcium Hypophosphite	D	D	D	D	D	A	C	C
Calcium Lactate	D	D	D	D	D	A	C	C
Calcium Naphthenate	D	D	D	D	D	D	D	D
Calcium Nitrate	D	D	D	D	D	A	A	A
Calcium Oxalate	D	D	D	D	D	A	C	C
Calcium Oxide	D	D	D	D	D	A	A	A
Calcium Permanganate	D	D	D	D	D	D	D	D
Calcium Peroxide	D	D	D	D	D	D	D	D
Calcium Phenolsulfonate	D	D	D	D	D	A	C	C
Calcium Phosphate	D	D	D	D	D	A	A	A
Calcium Phosphate Acid	D	D	D	D	D	A	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Calcium Propionate	D	D	D	D	D	A	C	C
Calcium Pyridine Sulfonate	D	D	D	D	D	D	D	D
Calcium Salts	A	D	D	D	D	A	A	A
Calcium Silicate	D	D	D	D	D	A	A	A
Calcium Stearate	D	D	D	D	D	C	A	B
Calcium Sulfamate	D	D	D	D	D	C	A	B
Calcium Sulfate	D	D	D	D	A	A	C	C
Calcium Sulfide	D	D	D	D	D	A	A	A
Calcium Sulfite	D	D	D	D	D	A	A	A
Calcium Thiocyanate	D	D	D	D	D	A	C	C
Calcium Thiosulfate	D	D	D	D	D	A	A	B
Calcium Tungstate	D	D	D	D	D	A	C	C
Caliche Liquors	D	D	D	D	D	A	A	A
Camphene	D	D	D	D	D	C	A	B
Camphor	D	D	D	D	D	C	A	B
Camphoric Acid	D	D	D	D	D	C	A	B
Cane Sugar Liquors	D	D	D	D	A	A	A	A
Capric Acid	D	D	D	D	D	C	A	A
Caproic Acid	D	D	D	D	D	C	A	A
Caproic Aldehyde	D	D	D	D	D	B	C	D
Caprolactam	D	A	A	A	D	C	D	D
Capronaldehyde	D	D	D	D	D	C	A	A
Carbamate	D	D	D	D	D	B	A	C
Carbazole	A	D	D	D	D	D	D	D
Carbitol	A	D	D	D	D	B	B	B
Carbolic Acid (Phenol)	D	D	D	D	A	B	A	C
Carbon Bisulfide	D	D	D	D	A	C	A	C
Carbon Dioxide	A	A	A	A	A	A	A	A
Carbon Dioxide (Explosive Decompression Use)	D	D	D	D	D	A	A	A
Carbon Disulfide	C	D	D	D	D	C	A	C
Carbon Fluorides	D	D	D	D	D	C	A	B
Carbon Monoxide	D	A	A	A	D	A	A	A
Carbon Tetrabromide	D	D	D	D	D	D	D	D
Carbon Tetrachloride	B	B	A	A	D	C	A	C
Carbon Tetrafluoride	D	D	D	D	A	C	A	B
Carbonic Acid	A	D	D	D	A	A	A	B
Casein	D	D	D	D	D	A	C	C
Castor Oil	D	A	A	A	D	C	A	A
Caustic Lime	D	D	D	D	D	A	C	C
Caustic Potash	A	D	D	D	D	A	C	C
Caustic Soda (Sodium Hydroxide)	A	D	D	D	A	A	C	C
Cedarwood Oil, pure - Misc.	C	D	D	D	D	D	D	D
Cellosolve	B	D	D	D	D	B	C	C
Cellosolve Butyl	D	D	D	D	D	B	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Cellosolve, Acetate	C	D	D	D	D	B	C	C
Celluguard	D	D	D	D	D	A	A	A
Cellulose Acetate	D	D	D	D	D	A	C	C
Cellulose Acetate Butyrate	D	D	D	D	D	A	C	C
Cellulose Ether	D	D	D	D	D	A	C	C
Cellulose Nitrate	D	D	D	D	D	A	C	C
Cellulose Tripropionate	D	D	D	D	D	A	C	C
Cellulube (Phosphate Esters)	D	D	D	D	D	D	D	D
Cellutherm 2505A	D	D	D	D	D	C	A	B
Cerium Sulfate	D	D	D	D	D	A	C	C
Cerous Chloride	D	D	D	D	D	A	C	C
Cerous Fluoride	D	D	D	D	D	A	C	C
Cerous Nitrate	D	D	D	D	D	A	C	C
Cesium Acetate, pure - Salt, Organic	A	D	D	D	D	D	D	D
Cesium Bromide, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Cesium Chloride, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Cesium Formate, pure - Salt, Organic	A	D	D	D	D	D	D	D
Cesium Iodide, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Cesium Sulfate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Cesium Trichloroacetate, pure - Salt, Organic, Halogenated	A	D	D	D	D	D	D	D
Cesium Trifluoroacetate, pure - Salt, Organic, Halogenated	A	D	D	D	D	D	D	D
Cetane (Hexadecane)	D	D	D	D	D	C	A	A
Cetyl Alcohol	A	D	D	D	D	C	A	A
Chaulmoogric Acid	D	D	D	D	D	D	D	D
China Wood Oil (Tung Oil)	D	D	D	D	D	C	A	A
Chloral	D	D	D	D	D	A	C	C
Chloramine	D	D	D	D	D	D	D	D
Chloranthraquinone	D	D	D	D	D	C	A	B
Chlordane	D	D	D	D	D	C	A	B
Chlorextol	D	D	D	D	D	C	A	B
Chloric Acid	D	D	D	D	D	A	C	C
Chlorinated Solvents, Dry	D	D	D	D	D	C	A	C
Chlorinated Solvents, Wet	D	D	D	D	D	C	A	C
Chlorine (Dry)	C	D	D	D	D	C	A	B
Chlorine (Plasma)	D	D	D	D	D	D	D	D
Chlorine (Wet)	C	C	A	A	D	C	C	C
Chlorine Dioxide	D	C	A	A	D	C	A	C
Chlorine Dioxide, 8% Cl as NaClO2 in solution	D	D	D	D	D	C	A	C
Chlorine Trifluoride	D	D	D	D	D	C	C	C
Chlorine Water	D	D	D	D	D	B	A	C
Chlorine, Dry	D	D	D	D	A	D	B	C
Chlorine, Wet	D	D	D	D	A	D	B	C
Chloro 1-Nitro Ethane (1-Chloro 1-Nitro Ethane)	D	D	D	D	D	C	C	C
Chloro Oxyfluorides	D	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Chloro Xylenols	D	D	D	D	D	C	A	B
Chloroacetaldehyde	D	D	D	D	D	A	C	C
Chloroacetic Acid	A	C	A	A	D	C	C	C
Chloroacetone	D	D	D	D	D	A	C	C
Chloroacetyl Chloride	D	D	D	D	D	D	D	D
Chloroamino Benzoic Acid	D	D	D	D	D	A	C	C
Chloroaniline	D	D	D	D	D	A	C	C
Chlorobenzaldehyde	D	D	D	D	D	A	C	C
Chlorobenzene	C	C	A	A	A	C	A	C
Chlorobenzene (Mono)	D	D	D	D	D	C	A	C
Chlorobenzene Chloride	D	D	D	D	D	C	A	B
Chlorobenzene Trifluoride	D	D	D	D	D	C	A	B
Chlorobenzochloride	D	D	D	D	D	C	A	B
Chlorobenzotrifluoride	D	D	D	D	D	C	A	B
Chlorobromo Methane	D	D	D	D	D	B	A	C
Chlorobromopropane	D	D	D	D	D	C	A	B
Chlorobutadiene	D	D	D	D	D	C	A	C
Chlorobutane (Butyl Chloride)	C	D	D	D	D	C	A	A
Chlorodifluoromethane, pure - Hydrocarbon, Aliphatic, Halogenated	D	D	D	D	D	D	D	D
Chlorododecane	D	D	D	D	D	C	A	C
Chloroethane	C	D	D	D	D	C	A	A
Chloroethane Sulfonic Acid	D	D	D	D	D	A	C	C
Chloroethylbenzene	D	D	D	D	D	C	A	B
Chloroform	C	B	A	A	A	C	A	C
Chlorohydrin	D	D	D	D	D	A	C	C
Chloromethyl Benzene, pure - Hydrocarbon, Aromatic, Halogenated	B	D	D	D	D	D	D	D
Chloronaphthalene or o-Chloronaphthalene	D	D	D	D	D	C	A	C
Chloronitrobenzene	D	D	D	D	D	A	C	C
Chlorophenol or o-Chlorophenol	D	D	D	D	D	C	A	C
Chloropicrin	D	D	D	D	D	C	A	B
Chloroprene	D	D	D	D	D	C	A	B
Chlorosilanes	D	D	D	D	D	D	D	D
Chlorosulfonic Acid	D	D	D	D	A	C	C	C
Chlorosulphonic Acid, pure - Acid, Organic, Aromatic, Halogenated	C	D	D	D	D	D	D	D
Chlorotoluene	D	D	D	D	D	C	A	C
Chlorotoluene Sulfonic Acid	D	D	D	D	D	A	C	C
Chlorotoluene, pure - Hydrocarbon, Aromatic, Halogenated	B	D	D	D	D	D	D	D
Chlorotoluidine	D	D	D	D	D	C	A	B
Chlorotrifluoroethylene (CTFE)	D	D	D	D	D	D	D	D
Chlorox	D	D	D	D	D	B	A	B
Chloroxylols	D	D	D	D	D	D	D	D
Cholesterol	D	D	D	D	D	C	A	B
Chrome Alum	D	D	D	D	A	A	A	A
Chrome Plating Solutions	D	D	D	D	D	B	A	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Chromic Acid	C	D	D	D	A	B	A	C
Chromic Chloride	D	D	D	D	D	D	D	D
Chromic Fluorides	D	D	D	D	D	D	D	D
Chromic Hydroxide	D	D	D	D	D	D	D	D
Chromic Nitrates	D	D	D	D	D	D	D	D
Chromic Oxide	D	D	D	D	D	B	A	C
Chromic Phosphate	D	D	D	D	D	D	D	D
Chromic Sulfate	D	D	D	D	D	D	D	D
Chromic:Surfuric Acid Mixture, 96% - Acid, Inorganic, Oxidizer	C	D	D	D	D	D	D	D
Chromium Potassium Sulfate (Alum)	D	D	D	D	D	B	A	B
Chromyl Chlorides	D	D	D	D	D	D	D	D
Cinnamic Acid	D	D	D	D	D	C	A	B
Cinnamic Alcohol	D	D	D	D	D	C	A	B
Cinnamic Aldehyde	D	D	D	D	D	C	A	B
Cinnamon Oil, pure - Misc.	C	D	D	D	D	D	D	D
Circo Light Process Oil	D	D	D	D	D	C	A	A
Citric Acid	A	B	A	A	A	A	A	A
City Service #65 #120 #250	D	D	D	D	D	C	A	A
City Service Koolmoter-AP Gear Oil 140-EP lube	D	D	D	D	D	C	A	A
City Service Pacemaker #2	D	D	D	D	D	C	A	A
Clorox	D	D	D	D	D	B	A	B
Coal Tar	D	A	A	A	D	C	A	A
Cobalt Chloride	D	D	D	D	D	A	A	A
Cobalt Chloride, 2N	D	D	D	D	D	A	A	A
Cobaltous Acetate	D	D	D	D	D	A	C	C
Cobaltous Bromide	D	D	D	D	D	A	A	A
Cobaltous Linoleate	D	D	D	D	D	D	D	D
Cobaltous Naphthenate	D	D	D	D	D	D	D	D
Cobaltous Sulfate	D	D	D	D	D	A	C	C
Coconut Oil	D	D	D	D	D	C	A	A
Cod Liver Oil	D	D	D	D	D	A	A	A
Codeine	D	D	D	D	D	C	A	B
Coffee	D	D	D	D	A	A	A	A
Coke Oven Gas	D	D	D	D	A	C	A	C
Coliche Liquors	D	D	D	D	D	B	D	B
Convelex 10	D	D	D	D	D	D	D	C
Coolanol 20 25R 35R 40& 45A (Monsanto)	D	D	D	D	D	C	A	A
Copper Acetate	D	B	A	A	A	A	C	B
Copper Ammonium Acetate	D	A	A	A	D	A	C	C
Copper Carbonate	D	D	D	D	D	A	C	C
Copper Chloride	D	C	A	A	A	A	A	A
Copper Cyanide	D	B	A	A	D	A	A	A
Copper Gluconate	D	D	D	D	D	A	C	C
Copper Naphthenate	D	D	D	D	D	D	D	D

CATEGORY	DESCRIPTION
A	No known effect
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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Copper Nitrate	D	B	A	A	D	A	D	B
Copper Oxide	D	D	D	D	D	A	A	A
Copper Salts	A	D	D	D	D	A	A	A
Copper Sulfate	D	D	D	D	A	A	A	A
Copper Sulfate 10%	D	B	A	A	D	A	A	A
Copper Sulfate 50%	D	B	A	A	D	A	A	A
Corn Oil	D	A	A	A	D	C	A	A
Cottonseed Oil	A	A	A	A	A	C	A	A
Creosote, Coal Tar	D	B	A	A	A	C	A	A
Creosote, Wood	D	D	D	D	A	C	A	A
Cresol (Methyl Phenol)	B	D	D	D	D	D	A	D
Cresols	D	D	D	D	D	C	B	C
Cresylic Acid	D	B	A	A	A	C	A	C
Crotonaldehyde	D	D	D	D	D	C	A	B
Crotonic Acid	D	D	D	D	D	C	A	B
Crude Oil	D	A	A	A	D	C	A	B
Culture Media - Misc.	A	D	D	D	D	D	D	D
Cumaldehyde	D	D	D	D	D	C	A	B
Cumene	C	B	A	A	D	C	A	C
Cumene Hydroperoxide	D	D	D	D	D	D	D	D
Cupric Sulfate	D	D	D	D	D	B	A	B
Cutting Oil	D	A	A	A	D	C	A	A
Cyanamide	D	D	D	D	D	D	D	D
Cyanides	D	D	D	D	D	D	D	D
Cyanogen Chloride	D	D	D	D	D	D	D	D
Cyanogen Gas	D	D	D	D	D	D	D	D
Cyanohydrin	D	D	D	D	D	D	D	D
Cyanuric Chloride	D	D	D	D	D	D	D	D
Cyclohexane	D	B	A	A	D	C	A	A
Cyclohexanol	A	A	A	A	D	C	A	A
Cyclohexanone	C	B	A	A	D	C	C	C
Cyclohexene	B	D	D	D	D	C	A	B
Cyclohexylamine	D	D	D	D	D	C	A	A
Cyclohexylamine Carbonate	D	D	D	D	D	D	D	D
Cyclohexylamine Laurate	D	D	D	D	D	C	A	A
Cyclopentadiene	D	D	D	D	D	C	A	B
Cyclopentane	C	D	D	D	D	C	A	A
Cyclopolyolefins	D	D	D	D	D	C	A	A
Cymene or p-Cymene	D	D	D	D	D	C	A	C
DDT (Dichlorodiphenyltrichloroethane)	D	D	D	D	D	C	A	B
Decahydronaphthalene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Decalin	C	D	D	D	D	C	A	C
Decane	C	D	D	D	D	C	A	A
Delco Brake Fluid	D	D	D	D	D	A	C	C

CHEMICAL COMPATIBILITY CHART

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C	Moderate to Severe effect, evaluation not recommended
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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Denatured Alcohol	D	D	D	D	D	A	A	A
Deoxycholate, pure - Detergent	D	D	D	D	D	D	D	D
DEPC, pure - Misc.	A	D	D	D	D	D	D	D
Detergent, Water Solution	A	D	D	D	D	A	A	A
Developing Fluids (Photo)	D	D	D	D	D	B	A	A
Dexron	D	D	D	D	D	C	A	A
Dextran Sulfate, pure - Misc., Sugar	A	D	D	D	D	D	D	D
Dextran, pure - Misc., Sugar	A	D	D	D	D	D	D	D
Dextrin	D	D	D	D	D	C	A	A
Dextro Lactic Acid	D	D	D	D	D	A	C	C
Dextron	D	D	D	D	D	C	A	A
Dextrose	D	A	A	A	D	A	D	D
DI Water	A	D	D	D	D	A	B	B
Diacetone	B	D	D	D	D	A	C	C
Diacetone Alcohol	B	A	A	A	A	A	C	C
Dialkyl Sulfates	D	D	D	D	D	A	C	C
Diallyl Ether	D	D	D	D	D	D	D	D
Diallyl Phthalate	D	D	D	D	D	D	D	D
Diamylamine	D	D	D	D	D	C	A	A
Diazinon	D	D	D	D	D	C	B	C
Diazo Salts - Misc., Salts	D	D	D	D	D	D	D	D
Dibasic Potassium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Dibasic Sodium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Dibenzopyrrole, pure - Hydrocarbon, Aromatic, Heterocyclic	A	D	D	D	D	D	D	D
Dibenzyl (sym-Diphenylethane)	D	D	D	D	D	C	A	B
Dibenzyl Ether	D	D	D	D	D	B	C	C
Dibenzyl Sebacate	D	D	D	D	D	B	B	C
Diborane	D	D	D	D	D	D	D	D
Dibromoethane	D	D	D	D	D	C	A	B
Dibromoethyl Benzene	D	D	D	D	D	C	A	C
Dibutyl Cellosolve Adipate	D	D	D	D	D	A	C	C
Dibutyl Ether	D	A	A	A	D	C	C	C
Dibutyl Methylenedithio Glycolate	D	D	D	D	D	C	A	B
Dibutyl Phthalate	B	A	A	A	D	C	C	C
Dibutyl Sebacate	D	D	D	D	D	B	B	C
Dibutyl Thioglycolate	D	D	D	D	D	C	A	B
Dibutyl Thiourea	D	D	D	D	D	C	A	B
Dibutylamine	D	A	A	A	D	D	C	C
Dichloroacetic Acid	D	D	D	D	D	C	A	B
Dichloroaniline	D	D	D	D	D	A	C	C
Dichlorobenzene or o-Dichlorobenzene	C	D	D	D	D	C	A	C
Dichlorobenzene or p-Dichlorobenzene	C	D	D	D	D	C	A	C
Dichlorobutane	D	D	D	D	D	C	A	B
Dichlorobutene	D	D	D	D	D	C	A	B

CHEMICAL COMPATIBILITY CHART

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Dichlorodifluoromethane, pure - Hydrocarbon, Aliphatic, Halogenated	A	D	D	D	D	D	D	D
Dichlorodiphenyl-Dichloroethane (DDD)	D	D	D	D	D	C	A	B
Dichloroethane	C	A	A	A	D	C	A	B
Dichloroethylene	A	B	A	A	D	C	A	B
Dichlorohydrin	D	B	A	A	D	A	C	C
Dichloroisopropyl Ether	D	D	D	D	D	C	C	C
Dichloromethane	D	D	D	D	D	C	A	B
Dichlorophenol	C	D	D	D	D	C	A	B
Dichlorophenoxyacetic Acid	D	D	D	D	D	C	A	B
Dichloropropane	D	D	D	D	D	C	A	B
Dichloropropene	D	D	D	D	D	C	A	B
Dichlorosilane	D	D	D	D	D	D	D	D
Dicyclohexylamine	D	D	D	D	D	C	C	A
Dicyclohexylammonium Nitrate	D	D	D	D	D	A	C	C
Dieldrin	D	D	D	D	D	C	A	B
Diesel Oil	D	A	A	A	D	C	A	A
Di-ester Lubricant MIL-L-7808	D	D	D	D	D	C	A	B
Di-ester Synthetic Lubricants	D	D	D	D	D	C	A	B
Diethanolamine (DEA)	A	D	D	D	D	A	C	C
Diethyl Acetamide, pure - Amine, Aliphatic	D	D	D	D	D	D	D	D
Diethyl Benzene	C	D	D	D	D	D	A	D
Diethyl Carbonate	D	A	A	A	D	D	D	C
Diethyl Ether	C	A	A	A	D	C	C	C
Diethyl Ketone, pure - Ketone, Aliphatic	B	D	D	D	D	D	D	D
Diethyl Malonate, pure - Ester, Aliphatic	A	D	D	D	D	D	D	D
Diethyl Phthalate	D	D	D	D	D	C	A	B
Diethyl Sebacate	D	D	D	D	D	B	B	B
Diethyl Sulfate	D	D	D	D	D	A	C	C
Diethylacetamide, pure - Amine, Aliphatic	D	D	D	D	D	D	D	D
Diethylamine	D	A	A	A	A	D	C	B
Diethylamine, pure - Amine, Aliphatic	B	D	D	D	D	D	D	D
Diethylaniline	D	D	D	D	D	A	C	C
Diethylene Dioxide, pure - Ether, Cyclic	C	D	D	D	D	D	D	D
Diethylene Glycol	A	A	A	A	D	A	A	A
Diethylenetriamine	D	A	A	A	D	C	C	D
Diethylpyrocarbonate, pure - Misc.	A	D	D	D	D	D	D	D
Difluorodibromomethane	D	D	D	D	D	B	D	C
Difluoroethane	D	D	D	D	D	C	A	B
Difluoromonochloroethane	D	D	D	D	D	C	A	B
Diglycol Chloroformate	D	D	D	D	D	A	C	C
Diglycolic Acid	D	D	D	D	D	A	C	C
Dihydroxydiphenylsulfone	D	D	D	D	D	A	C	C
Diisobutyl Ketone	D	A	A	A	D	A	C	D
Diisobutylcarbinol	D	D	D	D	D	C	A	A

CHEMICAL COMPATIBILITY CHART

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C	Moderate to Severe effect, evaluation not recommended
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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Diisobutylene	D	D	D	D	D	C	A	B
Diisooctyl Sebacate	D	D	D	D	D	C	B	C
Diisopropyl Ether (DIPE)	D	D	D	D	D	D	D	D
Diisopropyl Ketone	D	A	A	A	D	A	C	C
Diisopropylbenzene	D	D	D	D	D	C	A	B
Diisopropylidene Acetone	D	D	D	D	D	C	A	B
Dimethyl Acetamide	A	D	D	D	D	A	C	C
Dimethyl Aniline (Xylidine)	D	D	D	D	D	C	A	B
Dimethyl Disulfide (DMDS)	D	D	D	D	D	C	A	A
Dimethyl Ether	D	D	D	D	D	B	B	A
Dimethyl Formaldehyde	D	D	D	D	D	A	C	C
Dimethyl Formamide (DMF)	A	A	A	A	D	A	C	C
Dimethyl Hydrazine	D	A	A	A	D	A	C	C
Dimethyl Phenyl Carbinol	D	D	D	D	D	C	A	B
Dimethyl Phenyl Methanol	D	D	D	D	D	C	A	B
Dimethyl Phthalate	A	D	D	D	D	B	B	C
Dimethyl Sulfoxide (DMSO)	A	D	D	D	D	A	C	C
Dimethyl Terephthalate (DMT)	D	A	A	A	D	C	D	C
Dimethylamine (DMA)	B	A	A	A	D	D	C	C
Dinitrochlorobenzene	D	A	A	A	D	C	D	C
Dinitrogen Tetroxide	D	D	D	D	D	D	D	D
Dinitrotoluene (DNT)	D	D	D	D	D	C	C	C
Dioctyl Phthalate	B	A	A	A	D	C	B	C
Dioctyl Sebacate	D	D	D	D	D	B	B	C
Dioctylamine	D	D	D	D	D	C	A	A
Dioxane	C	D	D	D	D	B	C	C
Dioxolane	D	D	D	D	D	B	C	C
Dipentene	D	D	D	D	D	C	A	B
Diphenyl	D	A	A	A	D	C	A	C
Diphenyl Oxides	D	D	D	D	D	C	A	C
Diphenylamine (DPA)	A	D	D	D	D	C	A	B
Diphenylene Oxide	D	D	D	D	D	D	D	D
Diphenylpropane	D	D	D	D	D	C	A	B
Dipotassium Hydrogen Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Dipropylene Glycol, pure - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
Disilane	D	D	D	D	D	D	D	D
Disodium Hydrogen Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Distilled Water, pure - Misc.	A	A	A	A	D	A	A	A
Di-Tert-Butyl Peroxide	D	D	D	D	D	D	D	D
DMAC, pure - Amine, Aliphatic	A	D	D	D	D	D	D	D
DMF, pure - Amine, Aliphatic	A	D	D	D	D	D	D	D
DMSO, pure - Misc.	A	D	D	D	D	D	D	D
Dodecyl Alcohol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
Dodecylbenzene	D	D	D	D	D	C	A	B

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Dow Chemical 50-4	D	D	D	D	D	A	C	D
Dow Chemical ET378	D	D	D	D	D	D	D	C
Dow Chemical ET588	D	D	D	D	D	A	C	C
Dow Corning -11	D	D	D	D	D	A	A	B
Dow Corning 1208, 4050, 6620, F-60, xF-60	D	D	D	D	D	A	A	A
Dow Corning -1265 Fluorosilicone Fluid	D	D	D	D	D	A	A	B
Dow Corning -200	D	D	D	D	D	A	A	B
Dow Corning 220	D	D	D	D	D	A	A	A
Dow Corning -3	D	D	D	D	D	A	A	B
Dow Corning -33	D	D	D	D	D	A	A	B
Dow Corning -4	D	D	D	D	D	A	A	B
Dow Corning -44	D	D	D	D	D	A	A	B
Dow Corning -5	D	D	D	D	D	A	A	B
Dow Corning -510	D	D	D	D	D	A	A	B
Dow Corning -55	D	D	D	D	D	A	A	B
Dow Corning -550	D	D	D	D	D	A	A	B
Dow Corning -704	D	D	D	D	D	A	A	B
Dow Corning -705	D	D	D	D	D	A	A	B
Dow Corning -710	D	D	D	D	D	A	A	B
Dow Corning F-61	D	D	D	D	D	A	A	A
Dow Guard	D	D	D	D	D	A	A	A
Dowanol P Mix	D	D	D	D	D	D	D	D
Dowtherm, 209	D	D	D	D	A	A	C	C
Dowtherm, A	D	A	A	A	A	C	A	C
Dowtherm, E	D	D	D	D	A	C	A	C
Drinking Water	A	D	D	D	D	A	A	A
Dry Cleaning Fluids	D	D	D	D	D	C	A	C
DTE 20 Series, Mobil	D	D	D	D	D	C	A	B
DTE named series, Mobil, light-heavy	D	D	D	D	D	C	A	A
EDTA, pure - Misc., Chelator	A	D	D	D	D	D	D	D
Elco 28-EP lubricant	D	D	D	D	D	C	A	A
Epichlorohydrin	D	B	A	A	D	C	C	C
Epoxy Resins	D	D	D	D	D	A	C	D
Erucic Acid	D	D	D	D	D	D	D	D
Esam-6 Fluid	D	D	D	D	D	A	C	D
Esso Fuel 208	D	D	D	D	D	C	A	A
Esso Golden Gasoline	D	D	D	D	D	C	A	B
Esso Motor Oil	D	D	D	D	D	C	A	A
Esso Transmission fluid (Type A)	D	D	D	D	D	C	A	A
Esso WS2812 (MIL-L-7808A)	D	D	D	D	D	C	A	A
Esso XP90-EP lubricant	D	D	D	D	D	C	A	A
Esstic 42, 43	D	D	D	D	D	C	A	A
Ethane	D	A	A	A	D	C	A	A
Ethanol	A	A	A	A	D	A	C	C

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Ethanol Amine	D	D	D	D	D	A	C	B
Ethanolamine, pure - Amine, Aliphatic	D	A	A	A	D	C	C	C
Ethers	C	D	D	D	A	C	C	C
Ethoxyethyl Acetate (EGMEEA)	D	D	D	D	D	A	C	C
Ethyl Acetate, pure - Ester, Aliphatic	B	D	D	D	D	D	D	D
Ethyl Acetate-Organic Ester	D	D	D	D	A	B	C	C
Ethyl Acetoacetate	D	D	D	D	D	B	C	C
Ethyl Acrylate	D	D	D	D	A	B	C	C
Ethyl Alcohol	A	A	A	A	A	A	C	C
Ethyl Ammonium Dichloride	D	D	D	D	D	D	D	D
Ethyl Benzene	C	B	A	A	D	C	A	C
Ethyl Benzoate	B	D	D	D	D	C	A	C
Ethyl Bromide	D	A	A	A	D	C	A	C
Ethyl Butyrate, pure - Ester, Aliphatic	B	D	D	D	D	D	D	D
Ethyl Cellosolve	D	D	D	D	D	B	C	C
Ethyl Cellulose	D	B	A	A	D	C	C	C
Ethyl Chloride	C	A	A	A	A	C	A	A
Ethyl Chlorocarbonate	D	D	D	D	D	B	A	C
Ethyl Chloroformate	D	D	D	D	D	B	C	C
Ethyl Cyanoacetate, pure - Ester, Aliphatic, Cyano	A	D	D	D	D	D	D	D
Ethyl Digol, pure - Ether, Aliphatic, Polyol	A	D	D	D	D	D	D	D
Ethyl Ether	C	A	A	A	D	C	C	C
Ethyl Formate	D	D	D	D	D	B	A	C
Ethyl Hexanol	D	D	D	D	D	A	A	A
Ethyl Lactate	A	D	D	D	D	A	C	C
Ethyl Mercaptan	D	D	D	D	D	D	B	C
Ethyl Nitrite	D	D	D	D	D	A	C	C
Ethyl Oxalate	D	D	D	D	D	A	B	C
Ethyl Pentachlorobenzene	D	D	D	D	D	C	A	C
Ethyl Pyridine	D	D	D	D	D	C	A	B
Ethyl Silicate	D	D	D	D	D	A	A	A
Ethyl Stearate	D	D	D	D	D	C	A	B
Ethyl Sulfate	D	B	A	A	D	D	C	C
Ethyl Tertiary Butyl Ether	D	D	D	D	D	D	D	D
Ethyl Valerate	D	D	D	D	D	C	A	B
Ethylacrylic Acid	D	D	D	D	D	B	D	C
Ethylamine	D	D	D	D	D	A	C	C
Ethylcyclopentane	D	D	D	D	D	C	A	A
Ethylene	D	A	A	A	D	C	C	D
Ethylene Chloride	C	D	D	D	D	C	B	C
Ethylene Chlorohydrin	D	D	D	D	D	B	A	C
Ethylene Cyanohydrin	D	D	D	D	D	C	A	B
Ethylene Diamine	A	D	D	D	D	A	C	A
Ethylene Dibromide	D	D	D	D	D	C	A	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Ethylene Dichloride	C	B	A	A	D	C	D	C
Ethylene Glycol	A	A	A	A	A	A	A	A
Ethylene Glycol Monobutyl Ether, pure - Ether, Aliphatic, Polyol	D	D	D	D	D	D	D	D
Ethylene Glycol Monoethyl Ether Acetate, pure - Ether, Aliphatic, Ester	D	D	D	D	D	D	D	D
Ethylene Glycol Monoethyl Ether, pure - Ether, Aliphatic, Polyol	B	D	D	D	D	D	D	D
Ethylene Glycol Monomethyl Ether Acetate, pure - Ether, Aliphatic, Ester	C	D	D	D	D	D	D	D
Ethylene Glycol Monomethyl Ether, pure - Ether, Aliphatic, Polyol	B	D	D	D	D	D	D	D
Ethylene Hydrochloride	D	D	D	D	D	C	A	C
Ethylene Nitrate, pure - Misc.	D	D	D	D	D	D	D	D
Ethylene Oxide	C	B	A	A	A	C	C	C
Ethylene Oxide, (12%) and Freon 12 (80%)	D	D	D	D	D	B	C	C
Ethylene Trichloride	D	A	A	A	D	C	A	C
Ethyleneimine	D	D	D	D	D	D	D	D
Ethylmorpholene Stannous Octotate (50/50 mix)	D	D	D	D	D	B	C	C
Ethylmorpholine	D	D	D	D	D	C	A	B
Ethylsulfuric Acid	D	D	D	D	D	A	C	C
EtO Gas, pure - Ether, Cyclic	A	D	D	D	D	D	D	D
EtO Liquid, pure - Ether, Cyclic	C	D	D	D	D	D	D	D
EtO, 100% - Ether, Cyclic	C	D	D	D	D	D	D	D
EtO, pure - Ether, Cyclic	C	D	D	D	D	D	D	D
F-60 Fluid (Dow Corning)	D	D	D	D	D	A	A	A
F-61 Fluid (Dow Corning)	D	D	D	D	D	A	A	A
Fatty Acids	A	D	D	D	A	C	A	B
FC-43 Heptacosofluorotri-butylamine	D	D	D	D	D	A	A	A
FC75 & FC77 (Fluorocarbon)	D	D	D	D	D	A	B	A
Ferric Acetate	D	D	D	D	D	A	C	C
Ferric Ammonium Sulfate	D	D	D	D	D	A	C	C
Ferric Chloride	A	C	C	A	A	A	A	A
Ferric Ferrocyanide	D	D	D	D	D	A	C	C
Ferric Hydroxide	D	B	A	A	D	A	C	C
Ferric Nitrate	D	B	A	A	A	A	A	A
Ferric Persulfate	D	D	D	D	D	A	A	A
Ferric Sulfate	A	D	A	A	D	A	A	A
Ferrous Ammonium Citrate	D	D	D	D	D	A	C	C
Ferrous Ammonium Sulfate	D	D	D	D	D	A	C	C
Ferrous Carbonate	D	D	D	D	D	A	C	C
Ferrous Chloride	A	C	A	A	A	A	A	C
Ferrous Iodide	D	D	D	D	D	A	C	C
Ferrous Sulfate	A	C	A	A	A	A	D	C
Ferrous Tartrate	D	D	D	D	D	A	C	C
Ficoll-Hypaque - Misc.	A	D	D	D	D	D	D	D
Fish Oil	D	D	D	D	A	C	A	B
Fisher Reagent	D	D	D	D	D	B	D	D
Fluorides - Salt, Inorganic	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Fluorinated Cyclic Ethers	D	D	D	D	D	A	D	D
Fluorine (Gas)	C	D	D	D	D	D	D	D
Fluorine (Liquid)	D	D	D	D	D	C	B	C
Fluorobenzene	D	D	D	D	D	C	A	B
Fluoroboric Acid	D	D	D	D	D	A	D	A
Fluorocarbon Oils	D	D	D	D	D	A	D	D
Fluoroform (Trifluoromethane)	D	D	D	D	D	D	D	D
Fluorolube	D	D	D	D	D	A	B	A
Fluorophosphoric Acid	D	D	D	D	D	D	D	D
Fluorosilicic Acid	A	C	C	A	A	B	B	A
Fluorosulfonic Acid	D	D	D	D	D	D	D	D
Formaldehyde	A	A	A	A	A	C	C	C
Formalin, 10% - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formalin, 30% - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formalin, 37% - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formalin, 40% - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formalin, 5% - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formalin, pure - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Formamide	D	B	A	A	D	D	C	C
Formic Acid	A	C	A	A	A	D	C	C
Freon, 11	D	A	A	A	A	C	C	C
Freon, 112	D	A	A	A	A	C	A	C
Freon, 113	D	A	A	A	A	C	C	A
Freon, 113 + High and Low Aniline Oil	D	D	D	D	A	D	D	A
Freon, 114	D	A	A	A	A	D	A	A
Freon, 114B2	D	D	D	D	A	C	B	B
Freon, 115, 116	D	A	A	A	A	D	C	A
Freon, 12	A	A	A	A	A	C	D	C
Freon, 12 and ASTM Oil #2(50/50 Mixture)	D	D	D	D	A	C	A	B
Freon, 12 and Suniso 4G(50/50 Mixture)	D	D	D	D	A	C	A	B
Freon, 123 (Dichlorotrifluoroethane)	D	D	D	D	A	D	D	D
Freon, 124 (Chlorotetrafluoroethane)	D	D	D	D	A	D	D	D
Freon, 125 (Pentafluoroethane)	D	D	D	D	A	D	D	D
Freon, 13	D	A	A	A	A	D	A	A
Freon, 134a (Tetrafluoroethane)	D	D	D	D	A	A	D	D
Freon, 13B1	D	D	D	D	A	A	A	A
Freon, 14	D	A	A	A	A	D	A	A
Freon, 141b (Dichlorofluoroethane)	D	D	D	D	A	D	D	D
Freon, 142b	D	D	D	D	A	C	B	B
Freon, 152a (Difluoroethane)	D	D	D	D	A	D	D	D
Freon, 21	D	A	A	A	A	C	C	C
Freon, 218	D	D	D	D	A	A	A	A
Freon, 22	D	A	A	A	A	C	C	C
Freon, 22 and ASTM Oil #2(50/50 Mixture)	D	D	D	D	A	C	B	C

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Freon, 23 (Fluoroform)	D	D	D	D	A	D	D	D
Freon, 31	D	A	A	A	A	D	C	C
Freon, 32	D	A	A	A	A	D	C	A
Freon, 502	D	D	D	D	A	A	B	B
Freon, BF	D	D	D	D	A	C	A	B
Freon, C316	D	D	D	D	A	A	A	A
Freon, C318	D	D	D	D	A	A	B	A
Freon, K-142b	D	D	D	D	A	A	C	A
Freon, K-152a	D	D	D	D	A	A	C	A
Freon, MF	D	D	D	D	A	C	B	B
Freon, PCA	D	D	D	D	A	C	B	A
Freon, pure - Hydrocarbon, Aliphatic, Halogenated	A	D	D	D	D	D	D	D
Freon, TA	D	D	D	D	A	B	C	A
Freon, TC	D	D	D	D	A	B	A	A
Freon, TF	A	D	D	D	A	C	B	A
Freon, TMC	D	D	D	D	A	C	A	B
Freon, T-P35	D	D	D	D	A	A	A	A
Freon, T-WD602	D	D	D	D	A	B	A	B
Fuel Oil, #6	D	A	A	A	A	C	A	B
Fuel Oil, 1, and 2	D	A	A	A	A	C	A	A
Fuel Oil, Acidic	D	D	D	D	A	C	A	A
Fuel Oil, pure - Hydrocarbon, Mixture	A	D	D	D	D	D	D	D
Fumaric Acid	D	D	D	D	D	B	A	A
Fuming Sulphuric Acid (20/25% Oleum)	D	D	D	D	D	C	A	C
Furaldehyde	D	D	D	D	D	B	C	C
Furan (Furfuran)	D	D	D	D	A	C	A	C
Furfural (Furfuraldehyde)	C	B	A	A	D	C	C	C
Furfuraldehyde	C	D	D	D	D	B	C	C
Furfuryl Alcohol	D	A	A	A	D	C	C	C
Furoic Acid	D	D	D	D	D	D	D	D
Furyl Carbinol	D	D	D	D	D	B	D	C
Fyrquel 150 220 300 550	D	D	D	D	D	A	A	C
Fyrquel 90, 100, 500	D	D	D	D	D	A	A	C
Fyrquel a60	D	D	D	D	D	B	C	C
Gallic Acid	D	D	D	D	A	B	A	B
Gasoline	C	A	A	A	A	C	A	A
Gelatin	D	A	A	A	A	A	A	A
Germane (Germanium Tetrahydride)	D	D	D	D	D	D	D	D
Girling Brake Fluid	D	D	D	D	D	A	C	C
Glacial Acetic Acid - Acid, Organic	A	B	A	A	D	C	C	D
Glauber's Salt	D	B	A	A	D	C	A	C
Gluconic Acid	D	D	D	D	D	A	C	C
Glucose	A	A	A	A	A	A	A	A
Glue	D	A	A	A	A	A	A	A

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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Glutamic Acid	D	D	D	D	D	A	C	C
Glutaraldehyde Disinfectant - Aldehyde, Aliphatic, Solution	A	D	D	D	D	D	D	D
Glutaraldehyde, pure - Aldehyde, Aliphatic	A	D	D	D	D	D	D	D
Glycerine (Glycerol)	A	A	A	A	D	A	A	A
Glycerol Dichlorohydrin	D	D	D	D	D	A	C	C
Glycerol Monochlorohydrin	D	D	D	D	D	A	C	C
Glycerol Triacetate	D	D	D	D	D	A	C	C
Glycerophosphoric Acid	D	D	D	D	D	A	C	C
Glyceryl Phosphate	D	D	D	D	D	A	C	C
Glycidol	D	D	D	D	D	A	C	C
Glycol Monoether	D	D	D	D	D	D	D	D
Glycolic Acid	D	D	D	D	D	A	C	C
Glycols	D	D	D	D	D	A	A	A
Glycoxylic Acid	D	D	D	D	D	A	C	C
Grease Petroleum Base	D	B	A	A	D	D	A	D
Green Sulfate Liquor	D	D	D	D	D	A	A	B
Guanidine Hydrochloride, pure - Amine, Salt	A	D	D	D	D	D	D	D
Guanidine Isothiocyanate, pure - Amine, Salt	A	D	D	D	D	D	D	D
Guanidine Thiocyanate, pure - Amine, Salt	A	D	D	D	D	D	D	D
Gulf Endurance Oils	D	D	D	D	D	C	A	A
Gulf FR Fluids (Emulsion)	D	D	D	D	D	C	A	A
Gulf FR G-Fluids	D	D	D	D	D	A	A	A
Gulf FR P-Fluids	D	D	D	D	D	B	B	C
Gulf Harmony Oils	D	D	D	D	D	C	A	A
Gulf High Temperature Grease	D	D	D	D	D	C	A	A
Gulf Legion Oils	D	D	D	D	D	C	A	A
Gulf Paramount Oils	D	D	D	D	D	C	A	A
Gulf Security Oils	D	D	D	D	D	C	A	A
Gulfcrown Grease	D	D	D	D	D	C	A	A
Haemo-Sol detergent - Detergent	A	D	D	D	D	D	D	D
Halothane	D	D	D	D	D	C	A	C
Halowax Oil	D	D	D	D	D	C	A	C
Hannifin Lube A	D	D	D	D	D	C	A	A
Heavy Water	D	D	D	D	D	A	D	A
HEF-2 (High Energy Fuel)	D	D	D	D	D	C	A	B
Helium	A	D	D	D	D	A	A	A
Heptachlor	D	D	D	D	D	C	A	B
Heptachlorobutene	D	D	D	D	D	C	A	B
Heptaldehyde (Heptanal)	D	D	D	D	D	C	A	A
Heptane or n-Heptane	C	A	A	A	A	C	A	A
Heptanoic Acid	D	D	D	D	D	C	A	A
Hexachloroacetone	D	D	D	D	D	A	C	C
Hexachlorobutadiene	D	D	D	D	D	C	A	B
Hexachlorobutene	D	D	D	D	D	C	A	B

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C	Moderate to Severe effect, evaluation not recommended
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	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Hexachloroethane	D	D	D	D	D	C	A	B
Hexaethyl Tetraphosphate	D	D	D	D	D	D	D	D
Hexafluoroethane (F-116)	D	D	D	D	D	D	D	D
Hexafluoroxylene	D	D	D	D	D	D	D	D
Hexafluoroxylene	D	D	D	D	D	D	D	D
Hexaldehyde or n-Hexaldehyde	D	D	D	D	D	A	C	C
Hexamethyldisilizane	D	D	D	D	D	D	D	D
Hexamethylene (Cyclohexane)	D	D	D	D	D	C	A	A
Hexamethylene Diammonium Adipate	D	D	D	D	D	C	A	B
Hexamethylenediamine	D	D	D	D	D	A	C	C
Hexamethylenetetramine	D	D	D	D	D	A	C	C
Hexane or n-Hexane	B	A	A	A	D	C	A	A
Hexanol, pure - Alcohol, Aliphatic	D	A	A	A	D	C	A	A
Hexene-1 or n-Hexene-1	D	D	D	D	D	C	A	B
Hexone (Methyl Isobutyl Ketone)	D	D	D	D	D	A	C	C
Hexyl Acetate	D	D	D	D	D	C	A	A
Hexyl Alcohol	D	D	D	D	D	C	A	A
Hexylene Glycol	D	D	D	D	D	A	C	C
Hexylresorcinol	D	D	D	D	D	C	A	B
High Viscosity Lubricant, H2	D	D	D	D	D	A	A	A
High Viscosity Lubricant, U4	D	D	D	D	D	A	A	A
HiLo MS #1	D	D	D	D	D	A	C	C
Houghto-Safe 1010 phosphate ester	D	D	D	D	D	A	A	C
Houghto-Safe 1055 phosphate ester	D	D	D	D	D	A	A	C
Houghto-Safe 1120 phosphate ester	D	D	D	D	D	B	A	C
Houghto-Safe 271 (Water & Glycol Base)	D	D	D	D	D	A	B	A
Houghto-Safe 416 & 500 Series	D	D	D	D	D	A	D	A
Houghto-Safe 5040 (Water/Oil emulsion)	D	D	D	D	D	C	A	A
Houghto-Safe 620 Water/Glycol	D	D	D	D	D	A	B	A
Household Bleach - Base/Caustic, Oxidizer	C	D	D	D	D	D	D	D
Hydraulic Oil (Petroleum Base, Industrial)	D	D	D	D	D	C	A	A
Hydraulic Oils (Synthetic Base)	D	D	D	D	D	C	A	B
Hydrazine	C	A	A	A	D	A	C	C
Hydrazine (Anhydrous)	D	D	D	D	D	B	C	C
Hydrazine Dihydrochloride	D	D	D	D	D	A	C	C
Hydrazine Hydrate	D	D	D	D	D	A	C	C
Hydriodic Acid	D	D	D	D	D	C	A	B
Hydroabietyl Alcohol	D	D	D	D	D	D	D	D
Hydrobromic Acid	D	C	C	A	A	A	A	C
Hydrobromic Acid 40%	D	D	D	D	D	A	A	C
Hydrobromic Acid, 69% - Acid, Organic	A	D	D	D	D	D	D	D
Hydrocarbons, Saturated	D	D	D	D	D	C	A	A
Hydrochloric Acid (cold) 37%	A	C	A	A	A	C	A	C
Hydrochloric Acid (hot) 37%	D	D	D	D	D	C	A	C

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D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Hydrochloric Acid, >6N - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 10% - Acid, Inorganic	A	C	A	A	D	A	A	C
Hydrochloric Acid, 1N - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 20% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 25% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 3 Molar to 158°F	D	D	D	D	D	A	A	B
Hydrochloric Acid, 30% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 35% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 5% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 50% - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, 6N - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrochloric Acid, Concentrated Room Temp.	A	D	D	D	A	B	A	B
Hydrochloric Acid, Concentrated to 158°F	D	D	D	D	D	C	A	C
Hydrochloric Acid, pure - Acid, Inorganic	A	D	D	D	D	D	D	D
Hydrocyanic Acid	A	C	A	A	A	A	A	C
Hydro-Drive MIH-10 (Petroleum Base)	D	D	D	D	D	C	A	A
Hydro-Drive MIH-50 (Petroleum Base)	D	D	D	D	D	C	A	A
Hydrofluoric Acid (Anhydrous)	D	C	C	D	D	D	D	D
Hydrofluoric Acid (conc.) Cold	D	C	C	D	D	D	D	D
Hydrofluoric Acid (conc.) Hot	D	C	C	D	D	C	C	C
Hydrofluoric Acid, 10% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 100% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 35% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 38% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 4% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 48% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 50% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 53% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 60% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, 70% - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, concentrated - Acid, Inorganic	B	C	C	D	D	D	D	D
Hydrofluoric Acid, pure - Acid, Inorganic	A	C	C	D	D	D	D	D
Hydrofluorosilicic Acid	A	D	D	D	D	A	A	B
Hydroformic Acid, 100% - Acid, Organic	D	D	D	D	D	D	D	D
Hydrogen Bromide (Anhydrous)	D	D	D	D	D	D	D	D
Hydrogen Chloride (Anhydrous)	D	D	D	D	D	D	D	D
Hydrogen Chloride gas	D	D	D	D	D	A	A	C
Hydrogen Cyanide	D	C	A	A	D	A	A	C
Hydrogen Fluoride	D	D	D	D	D	D	D	D
Hydrogen Fluoride (Anhydrous)	D	D	D	D	D	A	C	C
Hydrogen Gas, Cold	D	A	A	A	A	A	A	A
Hydrogen Gas, Hot	D	A	A	A	D	A	A	A
Hydrogen Iodide (Anhydrous)	D	D	D	D	D	D	D	D
Hydrogen Peroxide	A	B	C	A	A	D	A	B

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D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Hydrogen Peroxide 90%	A	D	D	D	A	C	A	C
Hydrogen Selenide	D	D	D	D	D	D	D	D
Hydrogen Sulfide Dry Cold	A	D	D	D	A	A	C	A
Hydrogen Sulfide Dry Hot	D	D	D	D	A	A	C	C
Hydrogen Sulfide Wet Cold	A	C	A	A	A	A	C	C
Hydrogen Sulfide Wet Hot	D	D	D	D	A	A	C	C
Hydrolube-Water/Ethylene Glycol	D	D	D	D	D	A	A	A
Hydrooxycitronellal	D	D	D	D	D	D	A	D
Hydroquinol	D	D	D	D	D	C	A	C
Hydroquinone	A	D	D	D	D	B	B	C
Hydroxyacetic Acid	D	D	D	D	D	A	C	C
Hydyne	D	D	D	D	D	A	C	B
Hyjet	D	D	D	D	D	A	C	C
Hyjet IV and IVA	D	D	D	D	D	A	C	C
Hyjet s4	D	D	D	D	D	A	C	C
Hyjet w	D	D	D	D	D	A	C	C
Hypochlorous Acid	D	C	C	A	D	B	D	C
Indole	D	D	D	D	D	D	A	D
Industron FF44	D	D	D	D	D	C	A	A
Industron FF48	D	D	D	D	D	C	A	A
Industron FF53	D	D	D	D	D	C	A	A
Industron FF80	D	D	D	D	D	C	A	A
Insulin	D	D	D	D	D	A	C	C
Iodic Acid	D	D	D	D	D	A	C	C
Iodine	A	B	C	A	A	C	A	C
Iodine Crystals - Element, Solid	A	D	D	D	D	D	D	D
Iodine Pentafluoride	D	D	D	D	D	C	C	C
Iodoacetic Acid, pure - Acid, Organic, Halogenated	D	D	D	D	D	D	D	D
Iodoform	D	A	A	A	D	D	D	C
IPA, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
IPA, 30% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
IPA, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Isoamyl Acetate	D	D	D	D	D	A	C	C
Isoamyl Butyrate	D	D	D	D	D	A	C	C
Isoamyl Valerate	D	D	D	D	D	A	C	C
Isoboreol	D	D	D	D	D	D	A	D
Isobutane	D	A	A	A	D	C	A	A
Isobutanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Iso-Butanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Isobutanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Iso-Butanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Isobutyl Acetate	D	A	A	A	D	D	C	C
Isobutyl Alcohol	A	B	A	A	D	D	A	B
iso-Butyl Alcohol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Isobutyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
iso-Butyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Isobutyl Chloride	D	D	D	D	D	C	A	C
Isobutyl Ether	D	D	D	D	D	C	C	B
Isobutyl Methyl Ketone	D	B	A	A	D	D	C	C
Isobutyl n-Butyrate	D	D	D	D	D	A	A	C
Isobutyl Phosphate	D	D	D	D	D	A	C	C
Isobutylene	D	D	D	D	D	D	A	D
Isobutyraldehyde	D	D	D	D	D	B	C	C
Isobutyric Acid	D	D	D	D	D	B	C	A
Isocrotyl Chloride	D	D	D	D	D	D	A	D
Isodecanol	D	D	D	D	D	C	A	A
Isododecane	D	D	D	D	D	C	A	A
Isoeugenol	D	D	D	D	D	C	A	A
Isooctane	C	D	D	D	A	C	A	A
Isopentane	D	B	A	A	D	C	A	A
Isophorone (Ketone)	D	D	D	D	D	B	C	C
Isopropanol	A	A	A	A	D	A	A	C
Isopropyl Acetate	B	A	A	A	D	C	C	C
Isopropyl Alcohol	A	A	A	A	D	A	A	C
Isopropyl Benzene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Isopropyl Chloride	D	D	D	D	D	C	A	C
Isopropyl Ether	C	D	D	D	A	C	C	B
Isopropyl Myristate, pure - Ester, Aliphatic	D	D	D	D	D	D	D	D
Isopropylacetone	D	D	D	D	D	A	C	C
Isopropylacetone, pure - Ketone, Aliphatic	D	D	D	D	D	D	D	D
Isopropylamine	D	A	A	A	D	A	C	C
Jet Fuel A	C	D	D	D	D	C	A	B
JP-10	D	A	A	A	D	C	A	C
JP-3 (MIL-J-5624)	D	A	A	A	D	C	A	A
JP-4 (MIL-T-5624)	D	A	A	A	D	C	A	A
JP-5 (MIL-T-5624)	D	A	A	A	D	C	A	A
JP-6 (MIL-J-25656)	D	A	A	A	D	C	A	A
JP-8 (MIL-T-83133)	D	A	A	A	D	C	A	A
JP-9 (MIL-F-81912)	D	A	A	A	D	C	A	D
JP-9 -11	D	A	A	A	D	C	A	D
JPX(MIL-F-25604)	D	D	D	D	D	C	C	A
Kel F Liquids	D	D	D	D	D	A	B	A
Kerosene (Similar to RP-1 and JP-1)	C	A	A	A	A	C	A	A
Keystone #87HX-Grease	D	D	D	D	D	C	A	A
Kodak FTFR Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Kodak KMER Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Kodak KTFR Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Lacquer Solvents	C	D	D	D	D	C	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Lacquers	D	A	A	A	A	C	C	C
Lactams-Amino Acids	D	D	D	D	D	B	C	C
Lactic Acid Cold	A	B	A	A	A	D	A	D
Lactic Acid Hot	D	D	D	D	A	C	A	C
Lactones (Cyclic Esters)	D	D	D	D	D	B	C	C
Lard Animal Fat	D	A	A	A	D	C	A	A
Lauric Acid	D	D	D	D	D	C	A	A
Lauryl Alcohol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
Lavender Oil	D	D	D	D	D	C	A	B
LB 135	D	D	D	D	D	A	A	A
Lead (Molten)	D	D	D	D	D	D	D	D
Lead Acetate	A	B	A	A	D	A	C	C
Lead Arsenate	D	D	D	D	D	A	C	C
Lead Azide	D	D	D	D	D	D	D	D
Lead Bromide	D	D	D	D	D	A	C	C
Lead Carbonate	D	D	D	D	D	A	C	C
Lead Chloride	D	C	A	A	D	D	D	C
Lead Chromate	D	D	D	D	D	A	C	C
Lead Dioxide	D	D	D	D	D	A	C	C
Lead Linoleate	D	D	D	D	D	A	C	C
Lead Naphthenate	D	D	D	D	D	D	D	D
Lead Nitrate	D	B	A	A	D	A	C	A
Lead Oxide	D	D	D	D	D	A	C	C
Lead Sulfamate	D	D	D	D	D	A	A	B
Lehigh X1169	D	D	D	D	D	C	A	A
Lehigh X1170	D	D	D	D	D	C	A	A
Light Grease	D	D	D	D	D	C	A	A
Ligroin (Petroleum Ether or Benzene)	D	D	D	D	D	C	A	A
Lime Bleach	D	D	D	D	D	A	A	A
Lime Sulfur	D	D	D	D	D	D	A	D
Lindol, Hydraulic Fluid(Phosphate ester type)	D	D	D	D	D	A	B	C
Linoleic Acid	D	D	D	D	D	C	B	B
Linseed Oil	A	A	A	A	D	C	A	A
Liquid Oxygen (LOX)	D	D	D	D	D	C	C	C
Liquid Petroleum Gas (LPG)	D	A	A	A	D	C	A	A
Liquimoly	D	D	D	D	D	C	A	A
Lithium Bromide (Brine)	D	D	D	D	D	A	C	C
Lithium Carbonate	D	D	D	D	D	A	C	C
Lithium Chloride	D	B	A	A	D	A	C	C
Lithium Citrate	D	D	D	D	D	A	C	C
Lithium Hydroxide	D	B	C	A	D	A	C	C
Lithium Hypochlorite	D	D	D	D	D	A	C	C
Lithium Nitrate	D	D	D	D	D	A	C	C
Lithium Nitrite	D	D	D	D	D	A	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Lithium Perchlorate	D	D	D	D	D	A	C	C
Lithium Salicylate	D	D	D	D	D	A	C	C
Lithopone	D	D	D	D	D	A	C	C
Lubricating Oils (Crude & Refined)	D	A	A	A	D	C	A	B
Lubricating Oils (Synthetic base)	D	D	D	D	D	D	A	D
Lubricating Oils, Di-ester	D	D	D	D	D	C	A	B
Lubricating Oils, petroleum base	D	D	D	D	D	C	A	A
Lubricating Oils, SAE 10, 20, 30, 40, 50	D	D	D	D	D	C	A	A
Lye Solutions	D	D	D	D	D	A	B	B
Magnesium Chloride	A	C	A	A	A	A	A	A
Magnesium Hydroxide	A	B	A	A	A	A	A	C
Magnesium Salts	D	D	D	D	D	A	A	A
Magnesium Sulfite and Sulfate	A	A	A	A	A	A	A	A
Magnesium Trisilicate	D	D	D	D	D	D	D	D
Malathion	D	D	D	D	D	C	A	B
Maleic Acid	D	B	A	A	D	C	A	C
Maleic Anhydride	D	A	A	A	D	C	C	C
Maleic Hydrazide	D	D	D	D	D	A	C	C
Malic Acid	D	D	D	D	D	B	A	A
Mandelic Acid	D	D	D	D	D	A	C	C
Manganese Acetate	D	D	D	D	D	A	C	C
Manganese Carbonate	D	D	D	D	D	A	C	C
Manganese Chloride	D	B	A	A	D	D	C	C
Manganese Dioxide	D	D	D	D	D	A	C	C
Manganese Gluconate	D	D	D	D	D	A	C	C
Manganese Hypophosphite	D	D	D	D	D	A	C	C
Manganese Linoleate	D	D	D	D	D	A	C	C
Manganese Naphthenate	D	D	D	D	D	D	D	D
Manganese Phosphate	D	D	D	D	D	A	C	C
Manganese Salts, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Manganese Sulfate	D	A	A	A	D	A	D	D
Manganous Chloride	D	D	D	D	D	A	C	C
Manganous Phosphate	D	D	D	D	D	A	C	C
Manganous Sulfate	D	D	D	D	D	A	C	C
Mannitol	D	D	D	D	D	A	C	C
MCS 312	D	D	D	D	D	C	A	C
MCS 352	D	D	D	D	D	A	C	C
MCS 463	D	D	D	D	D	A	C	C
MDI (Methylene di-p-phenylene isocyanate)	D	D	D	D	D	A	C	C
Mechanical Oil - Hydrocarbon, Mixture	B	D	D	D	D	D	D	D
Mercaptan	D	A	A	A	D	D	D	D
Mercaptoacetic Acid, pure - Acid, Organic	D	D	D	D	D	D	D	D
Mercaptobenzothiazole (MBT)	D	D	D	D	D	D	A	D
Mercuric Acetate	D	D	D	D	D	A	C	C

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Mercuric Chloride	A	C	D	D	A	A	A	A
Mercuric Cyanide	D	D	D	D	A	A	C	C
Mercuric Iodide	D	D	D	D	D	A	C	C
Mercuric Nitrate	D	D	D	D	D	A	C	C
Mercuric Sulfate	D	D	D	D	D	A	C	C
Mercuric Sulfite	D	D	D	D	D	A	C	C
Mercurous Nitrate	D	D	D	D	D	A	C	C
Mercury	A	A	A	A	A	A	A	A
Mercury Chloride	D	D	D	D	D	A	C	C
Mercury Fulminate	D	D	D	D	D	A	C	C
Mercury Salts	A	D	D	D	D	A	C	C
Mercury Vapors	D	D	D	D	D	A	A	A
Mesityl Oxide (Ketone)	D	D	D	D	D	B	C	C
Mesitylene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Meta-Cresol	D	D	D	D	D	D	A	D
Metaldehyde	D	D	D	D	D	A	C	C
Meta-Nitroaniline	D	D	D	D	D	A	C	C
Meta-Toluidine	D	D	D	D	D	D	A	D
Methacrylic Acid	D	D	D	D	D	A	C	C
Methallyl Chloride	D	D	D	D	D	D	A	D
Methane	D	A	A	A	D	C	A	A
Methanol	A	A	A	A	D	A	C	D
Methoxychlor	D	D	D	D	D	D	D	D
Methoxyethanol (DGMMA)	D	D	D	D	D	A	C	C
Methoxyethyl Oleate, pure - Ether, Aliphatic, Ester	A	D	D	D	D	D	D	D
Methyl Abietate	D	D	D	D	D	D	A	D
Methyl Acetate	B	A	A	A	A	C	C	C
Methyl Acetoacetate	D	D	D	D	D	B	C	C
Methyl Acetophenone	D	D	D	D	D	D	A	D
Methyl Acrylate	D	A	A	A	D	C	C	C
Methyl Alcohol	A	D	D	D	A	A	C	C
Methyl Amylketone	D	D	D	D	D	A	C	C
Methyl Anthranilate	D	D	D	D	D	D	A	D
Methyl Benzene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Methyl Benzoate	D	D	D	D	D	C	A	C
Methyl Bromide	D	A	A	A	D	C	A	C
Methyl Butyl Ketone	D	D	D	D	D	A	C	C
Methyl Butyrate Cellosolve	D	D	D	D	D	A	C	C
Methyl Butyrate Chloride	D	D	D	D	D	A	C	C
Methyl Carbonate	D	D	D	D	D	C	A	C
Methyl Cellosolve	B	D	D	D	A	B	C	C
Methyl Cellosolve Acetate, pure - Ether, Aliphatic, Polyol	C	D	D	D	D	D	D	D
Methyl Cellulose	D	D	D	D	D	B	C	B
Methyl Chloride	D	A	A	A	A	C	A	C

CHEMICAL COMPATIBILITY CHART

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B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Methyl Chloroacetate	D	D	D	D	D	A	C	C
Methyl Chloroform	D	D	D	D	D	C	A	C
Methyl Chloroformate	D	D	D	D	D	C	A	C
Methyl Chlorosilanes	D	D	D	D	D	D	D	D
Methyl Cyanide (Acetonitrile)	D	D	D	D	D	A	C	C
Methyl Cyclohexanone	D	D	D	D	D	C	A	A
Methyl Dichloride	D	D	D	D	D	D	A	D
Methyl Ether	D	D	D	D	D	C	A	A
Methyl Ethyl Ketone (MEK)	A	B	A	A	A	A	C	C
Methyl Ethyl Ketone Peroxide	D	D	D	D	D	C	C	C
Methyl Ethyl Oleate	D	D	D	D	D	D	A	D
Methyl Formate	D	D	D	D	A	B	D	C
Methyl Hexyl Ketone (2-Octanone)	D	D	D	D	D	A	C	C
Methyl Iodide	D	D	D	D	D	C	A	A
Methyl Isobutyl Ketone (MIBK)	B	B	A	A	D	C	C	C
Methyl Isocyanate	D	D	D	D	D	A	C	C
Methyl Isopropyl Ketone	D	D	D	D	D	B	C	C
Methyl Isovalerate	D	D	D	D	D	D	A	D
Methyl Lactate	D	D	D	D	D	A	C	C
Methyl Mercaptan	D	D	D	D	D	A	D	D
Methyl Methacrylate	D	A	A	A	D	C	C	C
Methyl Oleate	D	D	D	D	D	B	A	C
Methyl Pentadiene	D	D	D	D	D	D	A	D
Methyl Phenylacetate	D	D	D	D	D	D	A	D
Methyl Propyl Ketone, pure - Ketone, Aliphatic	B	D	D	D	D	D	D	D
Methyl Salicylate	D	D	D	D	D	B	D	C
Methyl Tertiary Butyl Ether (MTBE)	D	B	A	A	D	C	C	C
Methyl Valerate	D	D	D	D	D	D	A	D
Methyl-2-Pyrrolidone or n-Methyl-2-Pyrrolidone	D	D	D	D	D	B	D	D
Methylacrylic Acid	D	D	D	D	D	B	C	C
Methylal	D	D	D	D	D	D	D	D
Methylamine	D	D	D	D	D	A	C	C
Methylamyl Acetate	D	D	D	D	D	A	C	C
Methylcyclopentane	D	D	D	D	D	C	A	C
Methylene Bromide	D	D	D	D	D	D	A	D
Methylene Chloride	C	B	A	A	A	C	C	C
Methylene Iodide	D	D	D	D	D	D	A	D
Methylglycerol	D	D	D	D	D	A	C	C
Methylisobutyl Carbinol	D	D	D	D	D	C	A	A
Methylpyrrolidine	D	D	D	D	D	D	A	D
Methylpyrrolidone	D	D	D	D	D	D	A	D
Methylsulfuric Acid	D	D	D	D	D	A	C	C
Methyl-t-Butyl Ether, pure - Ether, Aliphatic	C	D	D	D	D	D	D	D
Metrizamide - Misc.	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
MIBK, pure - Ketone, Aliphatic	B	D	D	D	D	D	D	D
MIL-A-6091	D	D	D	D	D	A	A	B
MIL-C-4339	D	D	D	D	D	C	A	A
MIL-C-7024	D	D	D	D	D	C	A	A
MIL-C-8188	D	D	D	D	D	C	B	B
MIL-E-9500	D	D	D	D	D	A	A	A
MIL-F-16884	D	D	D	D	D	C	A	A
MIL-F-17111	D	D	D	D	D	C	A	A
MIL-F-25558 (RJ-1)	D	D	D	D	D	C	A	A
MIL-F-25656	D	D	D	D	D	C	A	A
MIL-F-5566	D	D	D	D	D	A	A	B
MIL-F-81912 (JP-9)	D	D	D	D	D	C	A	C
MIL-F-82522 (RJ-4)	D	D	D	D	D	C	A	B
MIL-G-10924	D	D	D	D	D	C	A	A
MIL-G-15793	D	D	D	D	D	C	A	A
MIL-G-21568	D	D	D	D	D	A	A	A
MIL-G-25013	D	D	D	D	D	A	A	A
MIL-G-25537	D	D	D	D	D	C	A	A
MIL-G-25760	D	D	D	D	D	C	A	B
MIL-G-3278	D	D	D	D	D	C	A	B
MIL-G-3545	D	D	D	D	D	C	A	A
MIL-G-4343	D	D	D	D	D	C	A	B
MIL-G-5572	D	D	D	D	D	C	A	A
MIL-G-7118	D	D	D	D	D	C	A	B
MIL-G-7187	D	D	D	D	D	C	A	A
MIL-G-7421	D	D	D	D	D	C	A	B
MIL-G-7711	D	D	D	D	D	C	A	A
MIL-H-13910	D	D	D	D	D	A	A	A
MIL-H-19457	D	D	D	D	D	B	A	C
MIL-H-22251	D	D	D	D	D	A	D	B
MIL-H-27601	D	D	D	D	D	C	A	A
MIL-H-46170 -15°F to +400°F	D	D	D	D	D	C	A	A
MIL-H-46170 -20°F to +275°F	D	D	D	D	D	C	A	A
MIL-H-46170 -55°F to +275°F	D	D	D	D	D	C	A	A
MIL-H-46170 -65°F to +275°F	D	D	D	D	D	C	A	A
MIL-H-5606 -65°F to +235°F	D	D	D	D	D	C	A	A
MIL-H-5606 -65°F to +275°F	D	D	D	D	D	C	A	A
MIL-H-6083	D	D	D	D	D	C	A	A
MIL-H-7083	D	D	D	D	D	A	B	A
MIL-H-8446 (MLO-8515)	D	D	D	D	D	C	A	B
MIL-J-5161	D	D	D	D	D	C	A	B
Milk	A	D	D	D	A	A	A	A
MIL-L-15016	D	D	D	D	D	C	A	A
MIL-L-15017	D	D	D	D	D	C	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
MIL-L-17331	D	D	D	D	D	C	A	A
MIL-L-2104	D	D	D	D	D	C	A	A
MIL-L-21260	D	D	D	D	D	C	A	A
MIL-L-23699	D	D	D	D	D	C	A	B
MIL-L-25681	D	D	D	D	D	A	A	B
MIL-L-3150	D	D	D	D	D	C	A	A
MIL-L-6081	D	D	D	D	D	C	A	A
MIL-L-6082	D	D	D	D	D	C	A	A
MIL-L-6085	D	D	D	D	D	C	A	B
MIL-L-6387	D	D	D	D	D	C	A	B
MIL-L-7808	D	D	D	D	D	C	A	B
MIL-L-7870	D	D	D	D	D	C	A	A
MIL-L-9000	D	D	D	D	D	C	A	A
MIL-L-9236	D	D	D	D	D	C	A	B
MIL-O-3503	D	D	D	D	D	C	A	A
MIL-P-27402	D	D	D	D	D	A	D	B
MIL-R-25576 (RP-1)	D	D	D	D	D	C	A	A
MIL-S-3136, Type I Fuel	D	D	D	D	D	C	A	A
MIL-S-3136, Type II Fuel	D	D	D	D	D	C	A	B
MIL-S-3136, Type III Fuel	D	D	D	D	D	C	A	B
MIL-S-3136, Type IV Oil High Swell	D	D	D	D	D	C	A	A
MIL-S-3136, Type IV Oil Low Swell	D	D	D	D	D	C	A	A
MIL-S-3136, Type V Oil Medium Swell	D	D	D	D	D	C	A	A
MIL-S-81087	D	D	D	D	D	A	A	A
MIL-T-5624, JP-4, JP-5	D	D	D	D	D	C	A	A
MIL-T-83133	D	D	D	D	D	C	A	A
Mineral Oils	A	A	A	A	A	C	A	A
Mineral Spirits - Hydrocarbon, Mixture	C	A	A	A	D	C	A	A
Mixed Acids	D	D	D	D	A	A	C	C
MLO-7277 Hydr.	D	D	D	D	D	C	A	C
MLO-7557	D	D	D	D	D	C	A	C
MLO-8200 Hydr.	D	D	D	D	D	C	A	B
MLO-8515	D	D	D	D	D	C	A	B
Mobil 24dte	D	D	D	D	D	C	A	A
Mobil 254 Lubricant	D	D	D	D	D	D	D	D
Mobil Delvac 1100, 1110, 1120, 1130	D	D	D	D	D	C	A	A
Mobil HF	D	D	D	D	D	C	A	A
Mobil Nivac 20, 30	D	D	D	D	D	A	A	A
Mobil SHC 500 Series	D	D	D	D	D	C	A	C
Mobil SHC 600 Series	D	D	D	D	D	C	A	C
Mobil Therm 600	D	D	D	D	D	C	A	A
Mobil Velocite c	D	D	D	D	D	C	A	A
Mobilgas WA200 ATF	D	D	D	D	D	C	A	A
Mobilgear 600 Series	D	D	D	D	D	C	A	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Mobilgear SHC ISO Series	D	D	D	D	D	C	A	C
Mobilgrease HP	D	D	D	D	D	C	A	B
Mobilgrease HTS	D	D	D	D	D	C	A	B
Mobilgrease SM	D	D	D	D	D	C	A	B
Mobilith AW Series	D	D	D	D	D	C	A	B
Mobilith SHC Series	D	D	D	D	D	C	A	B
Mobiljet II Lubricant	D	D	D	D	D	D	D	D
Mobilmistlube Series	D	D	D	D	D	C	A	C
Mobiloil SAE 20	D	D	D	D	D	C	A	A
Mobilux	D	D	D	D	D	C	A	A
Molybdenum Disulfide Grease	D	D	D	D	D	C	A	A
Molybdenum Oxide	D	D	D	D	D	A	C	C
Molybdenum Trioxide	D	D	D	D	D	A	C	C
Molybdic Acid	D	D	D	D	D	A	C	C
Monobasic Potassium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Monobasic Sodium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Monobromobenzene	D	D	D	D	D	C	A	C
Monobromotoluene	D	D	D	D	D	D	A	D
Monobutyl Paracresol	D	D	D	D	D	D	D	D
Monochloroacetic Acid	D	D	D	D	D	A	C	C
Monochlorobenzene	C	D	D	D	D	C	A	C
Monochlorobutene	D	D	D	D	D	D	A	D
Monochloroethane, pure - Hydrocarbon, Aliphatic, Halogenated	C	D	D	D	D	D	D	D
Monochlorohydrin	D	D	D	D	D	D	D	D
Monoethanolamine (MEA)	D	A	A	A	D	C	C	C
Monoethyl Amine	D	D	D	D	D	A	C	C
Monoisopropylamine	D	D	D	D	D	A	C	C
Monomethyl Aniline	D	D	D	D	D	A	B	C
Monomethyl Ether (Dimethyl Ether)	D	D	D	D	D	D	D	D
Monomethyl Ether (Methyl Ether)	D	D	D	D	D	C	A	A
Monomethyl Hydrazine	D	D	D	D	D	A	D	B
Monomethylamine (MMA)	D	D	D	D	D	A	C	C
Monomethylaniline	D	D	D	D	D	B	B	C
Mononitrotoluene	D	D	D	D	D	A	C	C
Mononitrotoluene & Dinitrotoluene(40/60 Mix)	D	D	D	D	D	A	C	C
Monovinyl Acetylene	D	D	D	D	D	A	A	A
Mopar Brake Fluid	D	D	D	D	D	A	C	C
Morpholine	D	D	D	D	D	D	A	D
Motor Oils	A	D	D	D	D	C	A	A
MTBE, pure - Ether, Aliphatic	C	D	D	D	D	D	D	D
Muriatic Acid, pure - Acid, Inorganic	A	C	A	A	D	C	A	C
Mustard Gas	D	D	D	D	D	D	D	D
Myristic Acid	D	D	D	D	D	D	A	D
NALGENE L-900 detergent - Detergent	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Naphthalene	A	A	A	A	A	C	A	C
Naphthalene Chloride	D	A	A	A	D	C	A	A
Naphthalene Sulfonic Acid	D	D	D	D	D	D	A	D
Naphthalenic Acid	D	D	D	D	D	D	A	D
Naphthalonic Acid	D	D	D	D	D	D	A	D
Naphthenic Acid	D	A	A	A	D	C	A	C
Naphthylamine	D	D	D	D	D	D	D	D
Naptha	D	A	A	A	A	C	A	C
Natural Gas	D	D	D	D	A	C	A	A
n-Butanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
n-Butyl Acetate, pure - Ester, Aliphatic	B	D	D	D	D	D	D	D
n-Butyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
n-Butyl Phthalate, pure - Ester, Aromatic	C	D	D	D	D	D	D	D
n-Decane, pure - Hydrocarbon, Aliphatic	C	D	D	D	D	D	D	D
n-Dodecanol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
Neatsfoot Oil	D	D	D	D	D	B	A	A
Neon	D	D	D	D	D	A	A	A
Neville Acid	D	D	D	D	D	B	A	C
n-Heptane, pure - Hydrocarbon, Aliphatic	C	D	D	D	D	D	D	D
n-Hexane, pure - Hydrocarbon, Aliphatic	B	D	D	D	D	D	D	D
n-Hexanol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
Nickel Acetate	D	D	D	D	D	A	C	B
Nickel Ammonium Sulfate	D	D	D	D	A	A	C	C
Nickel Chloride	A	B	A	A	A	A	A	A
Nickel Cyanide	D	D	D	D	D	A	C	C
Nickel Nitrate	D	D	D	D	D	A	C	C
Nickel Salts	A	D	D	D	D	A	A	A
Nickel Sulfate	A	B	D	D	A	A	A	A
Nicotinamide (Niacinamide)	D	D	D	D	D	D	A	D
Nicotinamide Hydrochloride	D	D	D	D	D	A	C	C
Nicotine	D	D	D	D	D	D	A	D
Nicotine Sulfate	D	D	D	D	D	A	C	C
Niter Cake	D	D	D	D	D	A	A	A
Nitric Acid - Red Fuming	D	D	D	D	D	C	B	C
Nitric Acid - White Fuming	D	D	D	D	D	D	D	D
Nitric Acid (0 - 50%)	C	A	C	A	A	C	D	C
Nitric Acid (50 - 100%)	C	D	D	D	A	C	C	C
Nitric Acid 3 Molar to 158°F	D	D	D	D	D	B	C	C
Nitric Acid Concentrated Room Temp.	C	D	D	D	D	C	B	D
Nitric Acid Concentrated to 158°F	C	D	D	D	D	C	C	C
Nitroaniline	D	D	D	D	D	A	C	C
Nitrobenzene	C	A	A	A	A	A	C	C
Nitrobenzoic Acid	D	D	D	D	D	A	C	C
Nitrocellulose	D	D	D	D	D	A	C	C

CATEGORY	DESCRIPTION
A	No known effect
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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Nitrochlorobenzene	D	D	D	D	D	A	C	C
Nitrochloroform	D	D	D	D	D	A	C	C
Nitrodiethylaniline	D	D	D	D	D	A	C	C
Nitrodiphenyl Ether	D	D	D	D	D	D	D	D
Nitroethane	D	A	A	A	D	C	C	C
Nitrofluorobenzene	D	D	D	D	D	A	C	C
Nitrogen	D	A	A	A	D	A	A	A
Nitrogen Oxides	D	D	D	D	D	A	C	C
Nitrogen Tetroxide (N2O4)	D	D	D	D	D	C	C	C
Nitrogen Trifluoride	D	D	D	D	D	D	D	D
Nitroglycerine	D	D	D	D	D	A	C	C
Nitrogylcerol	D	D	D	D	D	A	C	C
Nitroisopropylbenzene	D	D	D	D	D	A	C	C
Nitromethane	C	A	A	A	D	C	C	C
Nitrophenol	D	D	D	D	D	A	C	C
Nitropropane	D	A	A	A	D	B	C	C
Nitrosyl Chloride	D	D	D	D	D	D	D	D
Nitrosylsulfuric Acid	D	D	D	D	D	D	D	D
Nitrothiophene	D	D	D	D	D	A	C	C
Nitrotoluene	D	D	D	D	D	A	C	C
Nitrous Acid	D	B	A	A	D	D	C	C
Nitrous Oxide	D	D	D	D	A	A	A	A
n-Octane, pure - Hydrocarbon, Aliphatic	A	D	D	D	D	D	D	D
Nonane	D	D	D	D	D	C	A	A
Noryl GE Phenolic	D	D	D	D	D	A	D	A
n-Pentane, pure - Hydrocarbon, Aliphatic	D	D	D	D	D	D	D	D
n-Pentanol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
n-Propane, gas, pure - Hydrocarbon, Aliphatic	C	D	D	D	D	D	D	D
n-Propane, liquid - Hydrocarbon, Aliphatic	D	D	D	D	D	D	D	D
n-Propanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
n-Propyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Nycodenz - Misc.	A	D	D	D	D	D	D	D
Nyvac FR200 Mobil	D	D	D	D	D	A	A	A
Octachloro Toluene	D	D	D	D	D	C	A	C
Octadecane	D	D	D	D	D	C	A	A
Octanal (n-Octanaldehyde)	D	D	D	D	D	C	A	A
Octane or n-Octane	D	D	D	D	D	C	A	A
Octyl Acetate	D	D	D	D	D	A	C	C
Octyl Alcohol	D	D	D	D	D	C	A	B
Octyl Chloride	D	D	D	D	D	C	A	A
Octyl Phthalate	D	D	D	D	D	D	A	D
o-Dichlorobenzene, pure - Hydrocarbon, Aromatic, Halogenated	C	D	D	D	D	D	D	D
Oil of Wintergreen, pure - Ester, Aromatic	D	D	D	D	D	D	D	D
Oil, Cedarwood, pure - Misc.	C	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Oil, Cinnamon, pure - Misc.	C	D	D	D	D	D	D	D
Oil, Cottonseed, pure - Misc.	A	D	D	D	D	D	D	D
Oil, Linseed, pure - Misc.	A	D	D	D	D	D	D	D
Oil, Mineral - Hydrocarbon, Mixture	A	D	D	D	D	D	D	D
Oil, Paraffin, pure - Hydrocarbon, Mixture	B	D	D	D	D	D	D	D
Oil, Sesame, pure - Misc.	D	D	D	D	D	D	D	D
Oil, Wintergreen, pure - Ester, Aromatic	D	D	D	D	D	D	D	D
Olefins	D	D	D	D	D	D	A	D
Oleic Acid	A	B	A	A	A	C	C	C
Oleum (Fuming Sulfuric Acid)	C	B	C	A	D	C	A	C
Oleum Spirits	D	D	D	D	A	C	A	B
Oleyl Alcohol	D	D	D	D	D	D	A	D
Olive Oil	D	A	A	A	D	C	A	A
Orange Oil, pure - Misc.	B	D	D	D	D	D	D	D
Oronite 8200	D	D	D	D	D	C	A	B
Oronite 8515	D	D	D	D	D	C	A	B
Ortho-Chloro Ethyl Benzene	D	D	D	D	D	C	A	C
Ortho-Chloroaniline	D	D	D	D	D	A	C	C
Ortho-Chlorophenol	D	D	D	D	D	A	C	C
Ortho-Cresol	D	D	D	D	D	A	C	C
Ortho-Dichlorobenzene	D	D	D	D	D	C	A	C
Ortho-Nitrotoluene	D	D	D	D	D	A	C	C
Orthophos Acid	D	D	D	D	D	D	D	D
OS 45 Type III (OS45)	D	D	D	D	D	C	A	B
OS 45 Type IV (OS45-1)	D	D	D	D	D	C	A	B
OS 70	D	D	D	D	D	C	A	B
Oxalic Acid	A	C	A	A	A	A	A	C
Oxygen, 200-300°F (Evaluate for specific apps)	D	D	D	D	A	C	B	C
Oxygen, 300-400°F (Evaluate for specific apps)	D	D	D	D	A	C	B	C
Oxygen, Cold (Evaluate for specific applications)	D	D	D	D	A	A	A	B
Oxygen, gas, pure - Element, Gas	C	A	A	A	D	C	C	C
Oxygen, Liquid	D	D	D	D	D	C	C	C
Ozonated Deionized Water	D	D	D	D	D	A	C	C
Ozone	C	A	A	A	A	D	A	C
Ozone, 10ppm in Water - Oxidizer, Inorganic, Solution	C	D	D	D	D	D	D	D
Paint Thinner, Duco	D	D	D	D	D	C	B	C
Palmitic Acid	D	A	A	A	A	C	A	A
Para-Aminobenzoic Acid	D	D	D	D	D	A	C	C
Para-Aminosalicylic Acid	D	D	D	D	D	A	C	C
Para-Bromobenzylphenyl Ether	D	D	D	D	D	D	D	D
Para-Chlorophenol	D	D	D	D	D	A	C	C
Paracymene	D	A	A	A	D	C	A	C
Para-Dichlorobenzene	D	D	D	D	D	C	A	C
Paraffins	B	A	A	A	D	C	A	A

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Para-Formaldehyde	D	A	A	A	D	D	C	C
Paraldehyde	D	A	A	A	D	D	C	C
Par-al-Ketone	D	D	D	D	D	C	C	C
Para-Nitroaniline	D	D	D	D	D	A	C	C
Para-Nitrobenzoic Acid	D	D	D	D	D	A	C	C
Para-Nitrophenol	D	D	D	D	D	A	C	C
Parathion	D	D	D	D	D	D	A	D
Para-Toluene Sulfonic Acid	D	D	D	D	D	A	C	C
Parker O Lube	D	D	D	D	D	C	A	A
p-Chloroacetophenone, pure - Ketone, Aromatic, Halogenated	A	D	D	D	D	D	D	D
p-Dichlorobenzene, pure - Hydrocarbon, Aromatic, Halogenated	B	D	D	D	D	D	D	D
Peanut Oil	A	A	A	A	D	C	A	A
Peanut oil, pure - Misc.	A	A	A	A	D	C	A	A
Pectin (Liquor)	D	A	A	A	D	C	A	A
Pelagonic Acid	D	D	D	D	D	D	D	D
Penicillin (Liquid)	D	A	A	A	D	C	A	D
Pentachloroethane	D	D	D	D	D	D	A	D
Pentachlorophenol	D	D	D	D	D	A	C	C
Pentaerythritol	D	D	D	D	D	A	C	C
Pentaerythritol Tetranitrate	D	D	D	D	D	A	C	C
Pentafluoroethane (F-125)	D	D	D	D	D	D	D	D
Pentane or n-Pentane	D	B	A	A	D	C	A	A
Pentane, 2 Methyl	D	D	D	D	D	C	A	A
Pentane, 2-4 dimethyl	D	D	D	D	D	C	A	A
Pentane, 3-Methyl	D	D	D	D	D	C	A	A
Pentanol, pure - Alcohol, Aliphatic	D	D	D	D	D	D	D	D
Pentoxone	D	D	D	D	D	D	D	D
Pentyl Pentanoate	D	D	D	D	D	C	A	A
Peracetic Acid	A	D	D	D	D	A	C	C
Perchloric Acid - 2N	D	D	D	D	D	A	A	C
Perchloric Acid, 10% - Acid, Inorganic, Oxidizer	D	D	D	D	D	D	D	D
Perchloric Acid, 25% - Acid, Inorganic, Oxidizer	D	D	D	D	D	D	D	D
Perchloric Acid, 60% - Acid, Inorganic, Oxidizer	B	D	D	D	D	D	D	D
Perchloric Acid, 70% - Acid, Inorganic, Oxidizer	B	D	D	D	D	D	D	D
Perchloric Acid, concentrated - Acid, Inorganic, Oxidizer	B	D	D	D	D	D	D	D
Perchloric Acid, pure - Acid, Inorganic, Oxidizer	B	D	D	D	D	D	D	D
Perchloroethylene	C	B	A	A	A	C	A	C
Percoll - Misc.	A	D	D	D	D	D	D	D
Perfluoropropane	D	D	D	D	D	D	D	D
Perfluorotriethylamine	D	D	D	D	D	D	D	D
Permanganic Acid	D	D	D	D	D	D	D	D
Persulfuric Acid (Caro's Acid)	D	B	A	A	D	D	D	D
Petrol - Hydrocarbon, Mixture	C	D	D	D	D	D	D	D
Petrolatum	D	D	D	D	D	C	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Petrolatum Ether	D	D	D	D	D	C	A	A
Petroleum Oil, Above 250°F	C	A	A	A	A	C	A	D
Petroleum Oil, Below 250°F	C	D	D	D	A	C	A	A
Petroleum Oil, Crude	C	D	D	D	A	C	A	A
Phenol	D	B	A	A	A	C	A	C
Phenol, 10% - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, 10% Aqueous - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, 100% - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, 5% - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, 50% - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, 70%/30% H2O	D	D	D	D	D	C	A	C
Phenol, 85%/15% H2O	D	D	D	D	D	C	A	C
Phenol, 92% - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, Crystals, pure - Alcohol, Aromatic	B	D	D	D	D	D	D	D
Phenol, liquid - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenol, pure - Alcohol, Aromatic	C	D	D	D	D	D	D	D
Phenolic Sulfonate	D	D	D	D	D	A	C	C
Phenolsulfonic Acid	D	D	D	D	D	A	C	C
Phenylacetamide	D	D	D	D	D	D	A	D
Phenylacetate	D	D	D	D	D	A	C	C
Phenylacetic Acid	D	B	A	A	D	A	C	C
Phenylbenzene	D	D	D	D	D	C	A	C
Phenylene Diamine	D	D	D	D	D	D	D	D
Phenylethanol, pure - Alcohol, Aromatic	D	D	D	D	D	D	D	D
Phenylethyl Alcohol	D	D	D	D	D	D	A	D
Phenylethyl Ether	D	D	D	D	D	C	C	C
Phenylethyl Malonic Ester	D	D	D	D	D	D	A	D
Phenylglycerine	D	D	D	D	D	A	C	C
Phenylhydrazine	D	D	D	D	D	B	A	C
Phenylhydrazine Hydrochloride	D	D	D	D	D	A	C	C
Phenylmercuric Acetate	D	D	D	D	D	A	C	C
Phorone	D	D	D	D	D	C	C	C
Phosgene	D	C	A	A	D	C	C	C
Phosphine	D	D	D	D	D	D	D	D
Phosphoric Acid 3 Molar to 158°F	D	D	D	D	A	A	A	A
Phosphoric Acid Concentrated Room Temp	A	D	D	D	A	A	A	B
Phosphoric Acid Concentrated to 158°F	D	D	D	D	A	A	A	C
Phosphoric Acid, 10% - Acid, Inorganic	A	A	A	A	D	A	A	C
Phosphoric Acid, 20%	D	A	A	A	A	A	A	C
Phosphoric Acid, 25% - Acid, Inorganic	A	A	A	A	D	A	A	C
Phosphoric Acid, 30% - Acid, Inorganic	A	A	A	A	D	A	A	C
Phosphoric Acid, 45%	D	A	A	A	A	A	A	C
Phosphoric Acid, 5% - Acid, Inorganic	A	A	A	A	D	A	A	C
Phosphoric Acid, 50% - Acid, Inorganic	A	A	A	A	D	A	A	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Phosphoric Acid, 85% - Acid, Inorganic	A	A	A	A	D	A	A	C
Phosphoric Acid, 88% - Acid, Inorganic	A	D	D	D	D	D	D	D
Phosphoric Acid, 95% - Acid, Inorganic	A	D	D	D	D	D	D	D
Phosphorus (Molten)	D	D	D	D	D	D	D	D
Phosphorus Oxychloride	D	C	A	A	D	C	C	C
Phosphorus Trichloride	D	A	A	A	D	A	A	C
Phosphorus Trichloride Acid	D	D	D	D	D	A	A	C
Photographic Hypo - Salt, Inorganic, Reducer	A	D	D	D	D	D	D	D
Photoresists - Misc., Photoreist	D	D	D	D	D	D	D	D
Phthalic Acid	D	A	A	A	D	D	C	C
Phthalic Anhydride	D	A	A	A	D	D	C	C
Pickling Solution	D	D	D	D	D	C	B	C
Picric Acid (aq)	C	B	A	A	A	D	A	D
Picric Acid Molten	D	D	D	D	D	B	A	B
Pine Oil	A	D	D	D	D	C	A	A
Pine Tar	D	D	D	D	D	C	A	A
Pinene	D	D	D	D	D	C	A	B
Piperazine	D	D	D	D	D	D	A	D
Piperidine	D	D	D	D	D	C	A	C
Piranha (H2SO4:H2O2)(70:30)	D	D	D	D	D	D	D	D
Plating Solution(Co,Cu,Au,In,Fe,Pb,Ni,Ag,Sn,Zn)	D	D	D	D	D	A	A	A
Plating Solutions Chrome	D	C	C	A	D	B	A	C
Plating Solutions Others	D	D	D	D	D	A	A	A
Pneumatic Service	D	D	D	D	D	A	A	A
Polyethylene Glycol	D	A	A	A	D	A	D	C
Polyglycerol	D	D	D	D	D	A	C	C
Polyglycol	D	D	D	D	D	A	C	C
Polyvinyl Acetate Emulsion	D	D	D	D	D	A	D	D
Potassium (Molten)	D	D	D	D	D	D	D	D
Potassium Acetate	A	D	D	D	D	A	C	B
Potassium Acid Sulfate	D	D	D	D	D	A	C	C
Potassium Alum	D	D	D	D	D	A	C	C
Potassium Aluminum Sulfate	D	D	D	D	D	A	C	C
Potassium Antimonate	D	D	D	D	D	A	C	C
Potassium Bicarbonate	D	B	A	A	D	D	D	D
Potassium Bichromate	D	D	D	D	D	A	C	C
Potassium Bifluoride	D	D	D	D	D	A	C	C
Potassium Bisulfate	D	D	D	D	D	A	C	C
Potassium Bisulfite	D	D	D	D	D	A	C	C
Potassium Bitartrate	D	D	D	D	D	A	C	C
Potassium Bromide	A	D	D	D	D	A	C	C
Potassium Carbonate	A	B	A	A	D	D	D	D
Potassium Chlorate	A	D	D	D	D	A	C	C
Potassium Chloride	A	B	D	D	A	A	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
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B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Potassium Chromates	D	D	D	D	D	A	C	C
Potassium Citrate	D	D	D	D	D	A	C	C
Potassium Cupro Cyanide	D	D	D	D	D	A	A	A
Potassium Cyanate	D	D	D	D	D	A	C	C
Potassium Cyanide	A	B	A	A	A	A	A	A
Potassium Dichromate	D	D	D	D	D	A	A	A
Potassium Dihydrogen Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Potassium Diphosphate	D	D	D	D	D	A	C	C
Potassium Ferricyanide	D	D	D	D	D	A	C	C
Potassium Fluoride	D	D	D	D	D	A	C	C
Potassium Glucocyanate	D	D	D	D	D	A	C	C
Potassium Hydroxide 50%	A	C	A	A	A	A	C	C
Potassium Hydroxide, 1% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Potassium Hydroxide, 10% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Potassium Hydroxide, 15% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Potassium Hydroxide, 1N - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, 30% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Potassium Hydroxide, 32% - Base/Caustic, Inorganic	A	B	A	A	D	A	C	C
Potassium Hydroxide, 3N - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, 45% - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, 5% - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, 6N - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, concentrated - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hydroxide, pure - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Potassium Hypochlorite	D	D	D	D	D	A	C	C
Potassium Iodate	D	D	D	D	D	A	C	C
Potassium Iodide	A	D	D	D	D	A	C	C
Potassium Metabisulfate	D	D	D	D	D	A	C	C
Potassium Metachromate	D	D	D	D	D	A	C	C
Potassium Metasilicate	D	D	D	D	D	D	D	D
Potassium Monochromate	D	D	D	D	D	A	C	C
Potassium Nitrate	D	B	A	A	D	A	A	A
Potassium Nitrite	D	D	D	D	D	A	C	C
Potassium Oxalate	D	D	D	D	D	A	C	C
Potassium Perchlorate	D	D	D	D	D	A	C	C
Potassium Perfluoro Acetate	D	D	D	D	D	D	D	D
Potassium Permanganate	D	B	A	A	D	A	C	C
Potassium Permanganate, pure - Salt, Inorganic, Oxidizer	A	D	D	D	D	D	D	D
Potassium Peroxide	D	D	D	D	D	D	D	D
Potassium Persulfate	D	D	D	D	D	A	C	C
Potassium Phosphate (Acid)	D	B	A	A	A	A	D	D
Potassium Phosphate (Alkaline)	D	B	A	A	A	A	D	D
Potassium Phosphate (Di/Tri Basic)	A	D	D	D	A	A	C	C
Potassium Phosphate Monobasic, pure - Salt, Inorganic	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Potassium Pyrosulfate	D	D	D	D	D	A	C	C
Potassium Salts	D	D	D	D	D	A	A	A
Potassium Silicate	D	B	A	A	D	A	A	A
Potassium Sodium Tartrate	D	D	D	D	D	A	C	C
Potassium Stannate	D	D	D	D	D	A	C	C
Potassium Stearate	D	D	D	D	D	A	C	C
Potassium Sulfate	A	A	A	A	A	A	A	A
Potassium Sulfide	D	D	D	D	A	A	C	C
Potassium Sulfite	D	D	D	D	A	A	A	A
Potassium Tartrate	D	D	D	D	D	A	C	C
Potassium Thiocyanate	D	D	D	D	D	A	C	C
Potassium Thiosulfate	D	D	D	D	D	A	C	C
Potassium Triphosphate	D	D	D	D	D	A	C	C
Prestone Antifreeze	D	D	D	D	D	A	A	A
PRL-High Temp. Hydr. Oil	D	D	D	D	D	C	A	B
Producer Gas	D	D	D	D	D	C	A	A
Propane	C	A	A	A	A	C	A	A
Propane, liquid - Hydrocarbon, Aliphatic	D	A	A	A	D	C	A	A
Propanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Propionaldehyde	D	A	A	A	D	A	C	C
Propionic Acid	A	B	A	A	D	A	C	C
Propionitrile	D	D	D	D	D	C	A	A
Propyl Acetate	B	A	A	A	D	C	C	C
Propyl Acetone or n-Propyl Acetone	D	D	D	D	D	A	C	C
Propyl Alcohol	A	A	A	A	A	A	A	A
Propyl Nitrate	A	D	D	D	D	B	C	C
Propyl Propionate	D	D	D	D	D	A	C	C
Propylamine	D	D	D	D	D	A	C	C
Propylbenzene	D	D	D	D	D	D	A	D
Propylene	D	A	A	A	D	C	A	C
Propylene Chloride	D	D	D	D	D	D	A	D
Propylene Chlorohydrin	D	D	D	D	D	D	A	D
Propylene Dichloride	D	D	D	D	D	D	A	D
Propylene Glycol	A	A	A	A	D	A	D	D
Propylene Glycol Acetate, pure - Ester, Aliphatic, Polyol	D	D	D	D	D	D	D	D
Propylene Imine	D	D	D	D	D	D	A	D
Propylene Oxide	A	A	A	A	D	C	C	C
Prussic Acid, Hydrogen, pure - Acid, Inorganic	A	D	D	D	D	D	D	D
Pseudocumene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Pydraul 90e	D	D	D	D	D	A	A	C
Pydraul, 10E	D	D	D	D	D	A	C	C
Pydraul, 115E	D	D	D	D	D	A	A	C
Pydraul, 230C, 312C, 540C, A200	D	D	D	D	D	C	A	C
Pydraul, 29ELT 30E, 50E, 65E	D	D	D	D	D	A	A	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Pyranol Transformer Oil	D	D	D	D	D	C	A	A
Pyridine	A	A	A	A	D	C	D	C
Pyridine Oil	D	D	D	D	D	B	C	C
Pyridine Sulfate	D	D	D	D	D	A	C	C
Pyridine Sulfonic Acid	D	D	D	D	D	A	C	C
Pyridine, 5% - Amine, Heterocyclic	A	D	D	D	D	D	D	D
Pyridine, 50% - Amine, Heterocyclic	A	D	D	D	D	D	D	D
Pyrogallol (Pyrogallic Acid)	D	D	D	D	D	C	A	B
Pyrogard 42, 43, 55	D	D	D	D	D	A	A	C
Pyrogard 53, Mobil Phosphate Ester	D	D	D	D	D	A	A	C
Pyrogard D, Mobil Water-in-Oil Emulsion	D	D	D	D	D	C	C	A
Pyroligneous Acid	D	D	D	D	D	B	C	C
Pyrolube	D	D	D	D	D	B	A	C
Pyrosulfuric Acid	D	D	D	D	D	A	C	C
Pyrosulfuryl Chloride	D	D	D	D	D	C	A	B
Pyrrole	D	D	D	D	D	C	C	C
Pyruvic Acid	D	D	D	D	D	A	C	C
Quinidine	D	D	D	D	D	C	A	B
Quinine	D	D	D	D	D	C	A	B
Quinine Bisulfate	D	D	D	D	D	A	C	C
Quinine Hydrochloride	D	D	D	D	D	A	C	C
Quinine Sulfate	D	D	D	D	D	A	C	C
Quinine Tartrate	D	D	D	D	D	A	C	C
Quinizarin	D	D	D	D	D	C	A	B
Quinoline	D	D	D	D	D	C	A	B
Quinone	D	D	D	D	D	C	A	B
Radiation (GAMMA, 1.0 E+07 RADS)	D	D	D	D	D	B	C	C
Raffinate	D	D	D	D	D	C	A	B
Rapeseed Oil	D	D	D	D	D	A	A	B
Red Line 100 Oil	D	D	D	D	D	C	A	A
Red Oil (MIL-H-5606)	D	D	D	D	D	C	A	A
Resorcinol	A	D	D	D	D	A	C	C
Resorcinol, pure - Alcohol, Aromatic, Polyol	A	D	D	D	D	D	D	D
Resorcinol, saturated - Alcohol, Aromatic, Polyol	A	D	D	D	D	D	D	D
Rhodium	D	D	D	D	D	D	D	D
Riboflavin	D	D	D	D	D	C	A	B
Ricinoleic Acid	D	D	D	D	D	C	A	B
RJ-1 (MIL-F-25558)	D	D	D	D	D	C	A	A
RJ-4 (MIL-F-82522)	D	D	D	D	D	C	A	B
Rosin	D	D	D	D	D	C	A	B
RP-1 (MIL-R-25576)	D	D	D	D	D	C	A	A
Rubidium Bromide, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Rubidium Chloride, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Saccharin Solution	D	D	D	D	D	A	C	C

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Sal Ammoniac	A	D	D	D	D	A	A	A
Salicylaldehyde, pure - Ester, Aromatic	A	D	D	D	D	D	D	D
Salicylic Acid	A	B	A	A	D	A	A	C
Santo Safe 300	D	D	D	D	D	C	A	C
SDS, pure - Detergent	A	D	D	D	D	D	D	D
Sea (Salt) Water	A	B	A	A	A	A	A	A
Sebacic Acid	D	D	D	D	D	A	C	C
sec-Butanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
sec-Butanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
sec-Butyl Alcohol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
sec-Butyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Selenic Acid	D	D	D	D	D	A	C	C
Selenous Acid	D	D	D	D	D	A	C	C
Sera - Misc.	A	D	D	D	D	D	D	D
Sesame Oil, pure - Misc.	D	D	D	D	D	D	D	D
Sewage	D	A	A	A	D	A	A	A
SF 1154 GE Silicone Fluid	D	D	D	D	D	A	A	B
SF1147 GE Silicone Fluid	D	D	D	D	D	C	A	B
SF96 GE SIlicone Fluid	D	D	D	D	D	A	A	B
Shell 3XF Mine Fluid (Fire resist hydr.)	D	D	D	D	D	C	A	A
Shell Alvania Grease #2	D	D	D	D	D	C	A	A
Shell Carnea 19 and 29	D	D	D	D	D	C	A	A
Shell Diala	D	D	D	D	D	C	A	A
Shell Irus 905	D	D	D	D	D	C	A	A
Shell Lo Hydrax 27 and 29	D	D	D	D	D	C	A	A
Shell Macome 72	D	D	D	D	D	C	A	A
Shell Tellus #32 Pet. Base	D	D	D	D	D	C	A	A
Shell Tellus #68	D	D	D	D	D	C	A	A
Shell Tellus 27 (Petroleum Base)	D	D	D	D	D	C	A	A
Shell Tellus 33	D	D	D	D	D	C	A	A
Shell UMF (5% Aromatic)	D	D	D	D	D	C	A	A
Shellac	D	D	D	D	A	A	C	C
Shipley AZ-111 Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Shipley AZ-1350 Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Shipley AZ-340 Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Silane	D	D	D	D	D	D	D	D
Silica Gel, pure - Acid, Inorganic	D	D	D	D	D	D	D	D
Silicate Esters	D	D	D	D	D	C	A	B
Silicic Acid, pure - Acid, Inorganic	D	D	D	D	D	D	D	D
Silicon Fluoride	D	D	D	D	D	D	D	D
Silicon Tetrachloride	D	D	D	D	D	D	D	D
Silicon Tetrafluoride	D	D	D	D	D	D	D	D
Silicone Greases	D	D	D	D	D	A	A	A
Silicone Oils	A	A	A	A	D	A	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Silver Acetate, pure - Salt, Organic	A	D	D	D	D	D	D	D
Silver Bromide	D	D	D	D	D	A	C	C
Silver Chloride	D	C	A	A	D	A	D	D
Silver Cyanide	A	D	D	D	D	A	C	C
Silver Nitrate	A	A	A	A	D	A	A	C
Silver Sulfate	D	D	D	D	D	A	C	C
Sinclair Opaline CX-EP Lube	D	D	D	D	D	C	A	A
Skelly, Solvent B, C, E	D	D	D	D	D	C	A	A
Skydrol 500 B4	D	D	D	D	D	A	C	C
Skydrol 7000	D	D	D	D	D	A	B	C
Skydrol LD-4	A	D	D	D	D	A	C	C
Soap Solutions	D	A	A	A	A	A	A	A
Socony Mobile Type A	D	D	D	D	D	C	A	A
Socony Vacuum AMV AC781 (grease)	D	D	D	D	D	C	A	A
Socony Vacuum PD959B	D	D	D	D	D	C	A	A
Soda Ash	D	A	A	A	D	A	A	A
Sodium (Molten)	D	D	D	D	D	D	D	D
Sodium Acetate	A	B	A	A	A	A	C	C
Sodium Acid Bisulfate	D	D	D	D	A	A	C	C
Sodium Acid Fluoride	D	D	D	D	D	A	C	C
Sodium Acid Sulfate	D	D	D	D	D	A	C	C
Sodium Aluminate	D	D	D	D	D	A	C	C
Sodium Aluminate Sulfate	D	D	D	D	D	A	C	C
Sodium Anthraquinone Disulfate	D	D	D	D	D	A	C	C
Sodium Antimonate	D	D	D	D	D	A	C	C
Sodium Arsenate	D	D	D	D	D	A	C	C
Sodium Arsenite	D	D	D	D	D	A	C	C
Sodium Benzoate	D	D	D	D	D	A	C	C
Sodium Bicarbonate (Baking Soda)	A	A	A	A	D	A	A	A
Sodium Bichromate	D	D	D	D	D	A	C	C
Sodium Bifluoride	D	D	D	D	D	A	C	C
Sodium Bisulfate or Bisulfite	A	C	A	A	D	A	A	A
Sodium Bisulfide	D	D	D	D	D	A	C	C
Sodium Bitartrate	D	D	D	D	D	A	C	C
Sodium Borate	A	A	A	A	D	A	A	A
Sodium Bromate	D	D	D	D	D	A	C	C
Sodium Bromide	A	B	A	A	D	A	C	C
Sodium Carbonate (Soda Ash)	A	A	A	A	A	A	A	A
Sodium Carbonate, 2% - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Chlorate	A	B	A	A	A	A	D	C
Sodium Chloride	A	B	A	A	A	A	A	A
Sodium Chlorite	D	D	D	D	D	A	C	C
Sodium Chloroacetate	D	D	D	D	D	A	C	C
Sodium Chromate	D	A	C	A	D	D	C	D

CHEMICAL COMPATIBILITY CHART

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C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Sodium Citrate	D	D	D	D	D	A	C	C
Sodium Cyanamide	D	D	D	D	D	A	C	C
Sodium Cyanate	D	D	D	D	D	A	C	C
Sodium Cyanide	A	C	A	A	A	A	C	A
Sodium Diacetate	D	D	D	D	D	A	C	C
Sodium Dichromate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Sodium Dihydrogen Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Sodium Diphenyl Sulfonate	D	D	D	D	D	A	C	C
Sodium Diphosphate	D	D	D	D	D	A	C	C
Sodium Disilicate	D	D	D	D	D	A	C	C
Sodium Dodecyl Sulfate, pure - Detergent	A	D	D	D	D	D	D	D
Sodium Ethylate	D	D	D	D	D	A	C	C
Sodium Ferricyanide	D	B	A	A	D	A	D	C
Sodium Ferrocyanide	D	D	D	D	D	A	C	C
Sodium Fluoride	D	D	D	D	D	A	C	C
Sodium Fluorosilicate	D	D	D	D	D	A	C	C
Sodium Glutamate	D	D	D	D	D	A	C	C
Sodium Hydride	D	D	D	D	D	D	D	D
Sodium Hydrogen Sulfate	D	D	D	D	D	A	C	C
Sodium Hydrosulfide	D	A	A	A	D	A	C	C
Sodium Hydrosulfite	D	D	D	D	D	A	C	C
Sodium Hydroxide, <1% - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Hydroxide, 1% - Base/Caustic, Inorganic	A	A	A	A	D	A	C	C
Sodium Hydroxide, 10% - Base/Caustic, Inorganic	A	A	A	A	D	A	C	C
Sodium Hydroxide, 1N - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Hydroxide, 3 Molar	A	D	D	D	A	A	B	B
Sodium Hydroxide, 32% - Base/Caustic, Inorganic	A	C	A	A	D	A	C	C
Sodium Hydroxide, 5% - Base/Caustic, Inorganic	A	A	A	A	D	A	C	C
Sodium Hydroxide, 50% - Base/Caustic, Inorganic	A	C	A	A	D	A	C	C
Sodium Hydroxide, 52% - Base/Caustic, Inorganic	A	C	A	A	D	A	C	C
Sodium Hydroxide, 6N - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Hydroxide, concentrated - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Hydroxide, pure - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Sodium Hypochlorite	C	C	C	A	A	A	A	C
Sodium Hypophosphate	D	D	D	D	D	A	C	C
Sodium Hypophosphite	D	D	D	D	D	A	C	C
Sodium Hyposulfite	D	D	D	D	D	A	C	C
Sodium Iodide	A	D	D	D	D	A	C	C
Sodium Lactate	D	D	D	D	D	A	C	C
Sodium Lauryl Sulfate, pure - Detergent	A	D	D	D	D	D	D	D
Sodium Metaborate, pure - Salt, Inorganic	D	D	D	D	D	D	D	D
Sodium Metaphosphate	D	D	D	D	A	A	A	A
Sodium Metasilicate	D	A	A	A	A	A	D	D
Sodium Methylate	D	D	D	D	D	A	C	C

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Sodium Monophosphate	D	D	D	D	D	A	C	C
Sodium Nitrate	A	A	A	A	A	A	C	C
Sodium Oleate	D	D	D	D	D	A	C	C
Sodium Orthosilicate	D	D	D	D	D	A	C	C
Sodium Oxalate	D	D	D	D	D	A	C	C
Sodium Perborate	A	D	D	D	A	A	A	B
Sodium Percarbonate	D	D	D	D	D	A	C	C
Sodium Perchlorate	D	B	A	A	D	A	C	C
Sodium Peroxide	D	D	D	D	A	A	A	B
Sodium Persulfate	D	D	D	D	D	A	C	C
Sodium Phenolate	D	D	D	D	D	A	C	C
Sodium Phenoxide	D	D	D	D	D	A	C	C
Sodium Phosphate (Dibasic)	A	A	A	A	A	A	A	A
Sodium Phosphate (Mono)	A	A	A	A	A	A	A	A
Sodium Phosphate (Tribasic)	D	A	A	A	A	A	A	A
Sodium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Sodium Plumbite	D	D	D	D	D	A	C	C
Sodium Pyrophosphate	D	D	D	D	D	A	C	C
Sodium Resinate	D	D	D	D	D	A	C	C
Sodium Salicylate	D	D	D	D	D	A	C	C
Sodium Salts	D	D	D	D	D	A	A	A
Sodium Sesquisilicate	D	D	D	D	D	D	D	D
Sodium Silicate	A	A	A	A	A	A	A	A
Sodium Silicofluoride	D	D	D	D	D	D	D	D
Sodium Stannate	D	D	D	D	D	A	C	C
Sodium Sulfate	A	B	A	A	A	A	A	A
Sodium Sulfide	A	C	A	A	A	A	A	A
Sodium Sulfite	A	A	A	A	A	A	A	A
Sodium Sulfocyanide	D	D	D	D	D	A	C	C
Sodium Tartrate	D	D	D	D	D	A	C	C
Sodium Tetraborate	A	D	D	D	D	A	C	C
Sodium Tetraphosphate	D	D	D	D	D	A	C	C
Sodium Tetrasulfide	D	D	D	D	D	A	C	C
Sodium Thioarsenate	D	D	D	D	D	A	C	C
Sodium Thiocyanate	D	D	D	D	D	A	C	C
Sodium Thiosulfate	A	A	A	A	A	A	A	C
Sodium Trichloroacetate	D	D	D	D	D	A	C	C
Sodium Triphosphate	D	D	D	D	D	A	C	C
Solution 555, 20% - Misc.	D	D	D	D	D	D	D	D
Solvesso 100, 150	D	D	D	D	D	D	D	D
Sorbitol	D	D	D	D	D	A	C	C
Sour Crude Oil	D	D	D	D	D	C	A	C
Sour Natural Gas	D	D	D	D	D	C	A	C
Sovasol No. 1, 2, and 3	D	D	D	D	D	C	A	A

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Sovasol No. 73 and 74	D	D	D	D	D	C	A	B
Soybean Oil	D	A	A	A	D	C	A	A
Spry	D	D	D	D	D	B	A	A
SR-10 Fuel	D	D	D	D	D	C	A	A
SR-6 Fuel	D	D	D	D	D	C	A	B
Standard Oil Mobilube GX90-EP Lube	D	D	D	D	D	C	A	A
Stannic Ammonium Chloride	D	D	D	D	D	A	C	C
Stannic Chloride	D	C	A	A	D	A	A	A
Stannic Chloride, 50%	D	D	D	D	D	A	A	A
Stannic Tetrachloride	D	D	D	D	D	A	C	C
Stannous Bisulfate	D	D	D	D	D	A	C	C
Stannous Bromide	D	D	D	D	D	A	C	C
Stannous Chloride (15%)	D	D	D	D	D	A	A	A
Stannous Fluoride	D	D	D	D	D	A	C	C
Stannous Sulfate	D	D	D	D	D	A	C	C
Stauffer 7700	D	D	D	D	D	C	A	B
Steam Below 400°F	D	D	D	D	D	A	C	C
Steam, 400°-500°F	D	D	D	D	D	C	C	C
Steam, Above 500°F	D	D	D	D	D	D	D	D
Stearic Acid	A	A	A	A	A	C	C	C
Stoddard Solvent	D	A	A	A	D	C	A	A
Strontium Acetate	D	D	D	D	D	A	C	C
Strontium Carbonate	D	D	D	D	D	A	C	C
Strontium Chloride	D	D	D	D	D	A	C	C
Strontium Hydroxide	D	D	D	D	D	A	C	C
Strontium Nitrate	D	D	D	D	D	A	C	C
Styrene (Monomer)	D	A	A	A	A	C	C	C
Succinic Acid	D	B	A	A	D	D	C	C
Sucrose Solutions	A	A	A	A	D	A	A	A
Sulfamic Acid	D	D	D	D	D	A	C	C
Sulfanilic Acid	D	D	D	D	D	A	C	C
Sulfanilic Chloride	D	D	D	D	D	C	A	B
Sulfanilimide	D	D	D	D	D	C	A	B
Sulfite Liquors	D	D	D	D	D	A	C	C
Sulfolane	D	D	D	D	D	A	B	B
Sulfonated Oils	D	D	D	D	D	C	A	B
Sulfonic Acid	D	D	D	D	D	A	C	C
Sulfonyl Choride	D	D	D	D	D	A	C	C
Sulfosalicylic Acid, pure - Acid, Organic, Aromatic	D	D	D	D	D	D	D	D
Sulfur	D	D	D	D	A	A	A	C
Sulfur (Molten)	D	D	D	D	D	C	A	C
Sulfur Chloride	D	D	D	D	D	C	A	C
Sulfur Dioxide, Dry	A	D	D	D	A	A	C	C
Sulfur Dioxide, dry gas - Misc.	A	D	D	D	D	D	D	D

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Sulfur Dioxide, liquid - Misc.	A	D	D	D	D	D	D	D
Sulfur Dioxide, Liquidified under pressure	D	D	D	D	D	A	C	C
Sulfur Dioxide, pure - Misc.	A	D	D	D	D	D	D	D
Sulfur Dioxide, Wet	A	B	A	A	D	A	C	C
Sulfur Hexafluoride	D	D	D	D	D	A	C	B
Sulfur Liquors	D	D	D	D	D	B	A	B
Sulfur Monochloride	D	D	D	D	D	C	A	A
Sulfur Salts, pure - Salt, Inorganic	C	D	D	D	D	D	D	D
Sulfur Tetrafluoride	D	D	D	D	D	D	D	D
Sulfur Trioxide Dry	D	D	D	D	A	B	A	C
Sulfuric Acid (20% Oleum)	A	B	C	A	A	D	C	C
Sulfuric Acid, 10% - Acid, Inorganic	A	C	A	A	D	C	A	C
Sulfuric Acid, 100% - Acid, Inorganic	C	D	D	D	D	D	D	D
Sulfuric Acid, 25% - Acid, Inorganic	A	C	A	A	D	C	D	C
Sulfuric Acid, 2N - Acid, Inorganic	A	D	D	D	D	D	D	D
Sulfuric Acid, 3 Molar to 158°F	D	D	D	D	A	A	A	B
Sulfuric Acid, 30% - Acid, Inorganic	A	C	A	A	D	C	A	C
Sulfuric Acid, 50% - Acid, Inorganic	B	C	A	A	D	C	A	C
Sulfuric Acid, 6% - Acid, Inorganic	A	C	A	A	D	C	A	C
Sulfuric Acid, 60% - Acid, Inorganic	B	C	A	A	D	C	A	C
Sulfuric Acid, 6N - Acid, Inorganic	B	D	D	D	D	D	D	D
Sulfuric Acid, 75% - Acid, Inorganic	C	C	A	A	D	C	A	C
Sulfuric Acid, 96% - Acid, Inorganic	C	C	C	A	D	C	A	C
Sulfuric Acid, 98% - Acid, Inorganic	C	C	C	A	D	C	A	C
Sulfuric Acid, Concentrated Room Temp	C	C	C	A	A	C	A	C
Sulfuric Acid, Concentrated to 158°F	C	D	D	D	A	C	A	C
Sulfuric Acid, fuming - Acid, Inorganic	C	D	D	D	D	D	D	D
Sulfuric Acid, pure - Acid, Inorganic	C	D	D	D	D	D	D	D
Sulfuric Chlorohydrin (Chlorosulfonic Acid)	D	D	D	D	D	A	C	C
Sulfurous Acid	A	B	A	A	A	C	A	C
Sulfuryl Chloride, pure - Misc.	C	D	D	D	D	D	D	D
Sunoco #3661	D	D	D	D	D	C	A	A
Sunoco All purpose grease	D	D	D	D	D	C	A	A
Sunoco SAE 10	D	D	D	D	D	C	A	A
Sunsafe (Fire resist. hydr. fluid)	D	D	D	D	D	C	A	A
Super Shell Gas	D	D	D	D	D	C	A	A
Surfuryl Chloride	D	D	D	D	D	A	C	C
Swan Finch EP Lube	D	D	D	D	D	C	A	A
Swan Finch Hypoid-90	D	D	D	D	D	C	A	A
sym-Trimethylbenzene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Tallow	D	D	D	D	D	C	A	A
Tannic Acid (10%)	D	A	A	A	A	A	A	A
Tannic Acid, pure - Acid, Organic	A	A	A	A	D	A	A	A
Tap Water - Misc.	A	A	A	A	D	A	A	A

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Tar, bituminous	D	A	A	A	A	D	A	B
Tartaric Acid	A	A	A	A	A	C	A	A
TCA, 10% - Acid, Organic, Halogenated	A	D	D	D	D	D	D	D
TCA, 100% - Acid, Organic, Halogenated	B	D	D	D	D	D	D	D
TCA, 25% - Acid, Organic, Halogenated	B	D	D	D	D	D	D	D
TCA, pure - Acid, Organic, Halogenated	B	D	D	D	D	D	D	D
Tellone II	D	D	D	D	D	D	D	D
Terephthalic Acid	D	D	D	D	D	A	C	C
Terpineol	D	D	D	D	D	C	A	B
Terpinyl Acetate	D	D	D	D	D	C	A	B
tert-Butanol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
tert-Butanol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
tert-Butyl Alcohol, 100% - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
tert-Butyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Tertiary Amyl Methyl Ether (TAME)	D	D	D	D	D	D	D	D
Tertiary Butyl Catechol or p-Tert Butyl Catechol	D	D	D	D	D	B	A	C
Tertiary Butyl Mercaptan	D	D	D	D	D	C	A	C
Tetrabromoethane	D	D	D	D	D	C	A	C
Tetrabromomethane	D	D	D	D	D	C	A	B
Tetrabutyl Titanate	D	D	D	D	D	A	A	B
Tetrachloroethylene	C	B	A	A	D	C	A	C
Tetrachoroethane	D	C	A	A	D	C	A	C
Tetraethyl Lead	D	B	A	A	D	C	A	C
Tetraethyl Lead Blend	D	D	D	D	D	C	A	B
Tetraethyl Orthosilicate (TEOS)	D	D	D	D	D	D	D	D
Tetrahydrofuran	B	B	A	A	D	C	C	C
Tetrahydronaphthalene, pure - Hydrocarbon, Aromatic	C	D	D	D	D	D	D	D
Tetralin	C	D	D	D	D	C	A	C
Tetramethyl Ammonium Hydroxide	D	D	D	D	D	A	C	C
Tetramethylcyclotetrasiloxane (TMCTS)	D	D	D	D	D	D	D	D
Tetramethyldihydropyridine	D	D	D	D	D	C	A	B
Tetramethyldihydropyridine	D	D	D	D	D	C	A	B
Tetraphosphoglucosate	D	D	D	D	D	A	C	C
Tetraphosphoric Acid	D	D	D	D	D	D	D	D
Texaco 3450 Gear Oil	D	D	D	D	D	C	A	A
Texaco Capella A and AA	D	D	D	D	D	C	A	A
Texaco Meropa 220 (No Lead)	D	D	D	D	D	C	A	A
Texaco Regal B	D	D	D	D	D	C	A	A
Texaco Uni-Temp Grease	D	D	D	D	D	C	A	A
Texamatic A 1581 Fluid	D	D	D	D	D	C	A	A
Texamatic A 3401 Fluid	D	D	D	D	D	C	A	A
Texamatic A 3525 Fluid	D	D	D	D	D	C	A	A
Texamatic A 3528 Fluid	D	D	D	D	D	C	A	A
Texamatic A Transmission Oil	D	D	D	D	D	C	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Texas 1500 Oil	D	D	D	D	D	C	A	A
TFA, 100% - Acid, Organic, Halogenated	D	D	D	D	D	D	D	D
TFA, 20% - Acid, Organic, Halogenated	D	D	D	D	D	D	D	D
TFA, 4% - Acid, Organic, Halogenated	A	D	D	D	D	D	D	D
TFA, 48% - Acid, Organic, Halogenated	A	D	D	D	D	D	D	D
TFA, pure - Acid, Organic, Halogenated	D	D	D	D	D	D	D	D
Therminol 44	D	A	A	A	D	C	A	C
Therminol 55	D	A	A	A	D	C	A	C
Therminol 66	D	A	A	A	D	C	A	C
Therminol FR	D	A	A	A	D	C	A	C
Therminol VP-1, 60, 65	D	A	A	A	D	C	A	C
THF, pure - Ether, Cyclic	B	D	D	D	D	D	D	D
Thio Acid Chloride	D	D	D	D	D	D	D	D
Thioamyl Alcohol	D	D	D	D	D	C	A	A
Thiodiacetic Acid	D	D	D	D	D	A	C	C
Thioethanol	D	D	D	D	D	A	C	C
Thioglycolic Acid	D	D	D	D	D	A	C	C
Thiokol TP-90B	D	D	D	D	D	A	A	C
Thiokol TP-95	D	D	D	D	D	A	A	C
Thionyl Chloride	C	D	D	D	D	C	A	B
Thiophene (Thiofuran)	D	D	D	D	D	C	A	B
Thiophosphoryl Chloride	D	D	D	D	D	A	C	C
Thiourea	D	D	D	D	D	A	C	C
Thorium Nitrate	D	D	D	D	D	A	C	C
Tidewater Multigear, 140 EP Lube	D	D	D	D	D	C	A	A
Tidewater Oil-Beedol	D	D	D	D	D	C	A	A
Tin Ammonium Chloride	D	D	D	D	D	A	C	C
Tin Chloride	D	D	D	D	D	C	A	A
Tin Tetrachloride	D	D	D	D	D	C	A	A
Tincture of Iodine - Misc.	A	D	D	D	D	D	D	D
Titanic Acid	D	D	D	D	D	A	C	C
Titanium Dioxide	D	A	A	A	D	A	D	D
Titanium Sulfate	D	D	D	D	D	A	C	C
Titanium Tetrachloride	D	B	A	A	D	C	A	C
Toluene	C	A	A	A	A	C	D	C
Toluene Bisodium Sulfite	D	D	D	D	D	D	D	D
Toluene Diisocyanate (TDI)	D	D	D	D	D	B	C	C
Toluene Sulfonyl Chloride	D	D	D	D	D	C	A	B
Toluenesulfonic Acid	D	D	D	D	D	A	C	C
Toluidine	D	D	D	D	D	C	A	B
Toluol	C	D	D	D	A	A	C	C
Toluquinone	D	D	D	D	D	C	A	B
Tolylaldehyde	D	D	D	D	D	A	C	C
Transformer Oil	A	D	D	D	D	C	A	A

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Transmission Fluid Type A	D	A	A	A	D	C	A	A
Triacetin	D	D	D	D	D	A	C	B
Triaryl Phosphate	D	D	D	D	D	A	A	C
Tribasic Potassium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Tribromomethylbenzene	D	D	D	D	D	C	A	B
Tributoxyethyl Phosphate	D	D	D	D	D	A	A	C
Tributyl Citrate	B	D	D	D	D	A	C	C
Tributyl Mercaptan	D	D	D	D	D	C	A	C
Tributyl Phosphate	D	D	D	D	A	A	C	C
Tributylamine	D	D	D	D	D	D	D	D
Trichloroacetic Acid	B	C	A	A	D	C	C	C
Trichloroacetyl Chloride	D	D	D	D	D	C	A	B
Trichlorobenzene	C	A	A	A	D	C	A	C
Trichloroethane	C	A	A	A	D	C	A	C
Trichloroethanolamine	C	D	D	D	D	A	C	C
Trichloroethylene	C	A	A	A	D	C	A	C
Trichlorofluoromethane, pure - Hydrocarbon, Aliphatic, Halogenated	D	D	D	D	D	D	D	D
Trichloromethane	D	D	D	D	D	C	A	C
Trichloronitromethane (Chloropicrin)	D	D	D	D	D	A	C	C
Trichlorophenylsilane	D	D	D	D	D	D	D	D
Trichloropropane	D	D	D	D	D	C	A	C
Trichlorosilane	D	D	D	D	D	C	A	C
Trichlorotrifluoroethane, pure - Hydrocarbon, Aliphatic, Halogenated	A	D	D	D	D	D	D	D
Tricresyl Phosphate	A	D	D	D	D	A	B	C
Triethanol Amine	D	A	A	A	D	C	C	C
Triethanolamine, pure - Amine, Aliphatic	C	A	A	A	D	C	C	C
Triethyl Phosphate	D	D	D	D	D	C	A	B
Triethylaluminum	D	D	D	D	D	D	D	D
Triethylamine, pure - Amine, Aliphatic	D	D	D	D	D	D	D	D
Triethylborane	D	D	D	D	D	D	D	D
Triethylene Glycol	D	D	D	D	D	A	C	C
Triethylene Glycol, pure - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
Triethylenetetramine	D	D	D	D	D	A	C	C
Trifluoroacetic Acid	D	D	D	D	D	A	C	C
Trifluoroethane	D	D	D	D	D	C	A	C
Trifluoromethane	D	D	D	D	D	C	A	C
Trifluorovinylchloride	D	D	D	D	D	C	A	B
Triisopropylbenzylchloride	D	D	D	D	D	C	A	B
Trimethylamine	D	D	D	D	D	A	C	C
Trimethylamine (TMA)	D	D	D	D	D	A	C	C
Trimethylamine, pure - Amine, Alipahtic	B	D	D	D	D	D	D	D
Trimethylbenzene	C	D	D	D	D	C	A	B
Trimethylborate (TMB)	D	D	D	D	D	C	A	B
Trimethylpentane	C	D	D	D	D	C	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Trinitrololuene (TNT)	D	D	D	D	D	C	B	C
Trioctyl Phosphate	D	D	D	D	D	A	B	C
Triphenylphosphite	D	D	D	D	D	A	C	C
Tripoly Phosphate	D	D	D	D	D	A	B	C
Tripotassium Phosphate	A	D	D	D	D	A	C	C
Tripotassium Phosphate, pure - Salt, Inorganic	A	D	D	D	D	D	D	D
Tripropylene Glycol, pure - Alcohol, Aliphatic, Polyol	A	D	D	D	D	D	D	D
Tris Buffer Solution, pure - Misc.	A	D	D	D	D	D	D	D
Trisodium Phosphate	A	D	D	D	D	A	C	C
Tritium	D	D	D	D	D	D	D	D
Triton X-100, pure - Detergent	D	D	D	D	D	D	D	D
TSP, pure - Base/Caustic, Inorganic	A	D	D	D	D	D	D	D
Tung Oil (China Wood Oil)	D	A	A	A	A	C	A	A
Tungsten Hexafluoride	D	D	D	D	D	D	D	D
Tungstic Acid	D	D	D	D	D	D	D	D
Turbine Oil	D	D	D	D	D	C	A	A
Turbine Oil #15 (MIL-L-7808A)	D	D	D	D	D	C	A	B
Turbo Oil #35	D	D	D	D	D	C	A	A
Turpentine	C	A	A	A	A	C	A	A
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)	D	D	D	D	D	C	A	A
Type II Fuel MIL-S-3136	D	D	D	D	D	C	A	B
Type III Fuel MIL-S-3136(ASTM Ref. Fuel B)	D	D	D	D	D	C	A	B
Ucon Hydrolube J-4	D	D	D	D	D	A	A	A
Ucon Lubricant 50-HB-100	D	D	D	D	D	A	A	A
Ucon Lubricant 50-HB-260	D	D	D	D	D	A	A	A
Ucon Lubricant 50-HB-5100	D	D	D	D	D	A	A	A
Ucon Lubricant 50-HB55	D	D	D	D	D	A	A	A
Ucon Lubricant 50-HB-660	D	D	D	D	D	A	A	A
Ucon Lubricant LB-1145	D	D	D	D	D	A	A	A
Ucon Lubricant LB-135	D	D	D	D	D	A	A	A
Ucon Lubricant LB-285	D	D	D	D	D	A	A	A
Ucon Lubricant LB-300X	D	D	D	D	D	A	A	A
Ucon Lubricant LB-625	D	D	D	D	D	A	A	A
Ucon Lubricant LB-65	D	D	D	D	D	A	A	A
Ucon Oil 50-HB-280x	D	A	A	A	D	A	D	B
Ucon Oil Heat Transfer 500(Polyalkalene Glycol)	D	A	A	A	D	A	A	A
Ucon Oil LB-385	D	A	A	A	D	A	A	A
Ucon Oil LB-400X	D	A	A	A	D	A	A	A
Undecyl Alcohol, pure - Alcohol, Aliphatic	A	D	D	D	D	D	D	D
Undecylenic Acid	D	D	D	D	D	C	A	B
Undecylic Acid	D	D	D	D	D	C	A	B
Univis 40 (Hydr. Fluid)	D	D	D	D	D	C	A	A
Univolt #35 (Mineral Oil)	D	D	D	D	A	C	A	A
Unsymmetrical Dimethyl Hydrazine (UDMH)	D	D	D	D	D	A	C	B

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
UPDI(Ultrapure Deionized Water)	D	D	D	D	D	A	C	C
Uranium Hexachloride	D	D	D	D	D	D	A	D
Uranium Hexafluoride	D	D	D	D	D	D	D	D
Uranium Sulfate	D	D	D	D	D	D	D	D
Urea, pure - Amine, Aliphatic	A	B	A	A	D	C	C	C
Uric Acid	D	D	D	D	D	A	C	C
Urine - Misc.	A	D	D	D	D	D	D	D
Valeraldehyde	D	D	D	D	D	A	C	C
Valeric Acid	D	D	D	D	D	A	C	C
Vanadium Oxide	D	D	D	D	D	C	A	A
Vanadium Pentoxide	D	D	D	D	D	C	A	A
Varnish	D	D	D	D	A	C	A	B
Vegetable Oil	A	A	A	A	D	C	A	A
Versilube F44, F55	D	D	D	D	D	A	A	A
Versilube F-50	D	D	D	D	D	A	A	A
Vinegar	A	A	A	A	A	C	C	C
Vinyl Acetate	D	A	A	A	D	D	C	C
Vinyl Benzene	D	D	D	D	D	C	A	B
Vinyl Benzoate	D	D	D	D	D	C	A	B
Vinyl Chloride	D	A	A	A	D	C	A	C
Vinyl Fluoride	D	D	D	D	D	C	A	B
Vinylidene Chloride	C	D	D	D	D	C	A	B
Vinylpyridine	D	D	D	D	D	C	A	B
Vitriol (White)	D	D	D	D	D	A	C	C
VV-H-910	D	D	D	D	D	A	A	C
Wagner 21B Brake Fluid	D	D	D	D	D	A	C	C
Water	A	A	A	A	A	A	A	A
Waycoat 59 Photoresist - Misc., Photoresist	D	D	D	D	D	D	D	D
Wemco C	D	D	D	D	D	C	A	A
Whiskey	D	A	A	A	A	A	D	D
White Liquor	D	D	D	D	D	A	A	A
White Oil	D	D	D	D	D	C	A	A
White Paraffin, pure - Hydrocarbon, Mixture	B	D	D	D	D	D	D	D
White Pine Oil	D	D	D	D	D	C	A	B
White Spirits - Hydrocarbon, Mixture	D	D	D	D	D	D	D	D
Wine	D	A	A	A	A	A	A	A
Wolmar Salt	D	D	D	D	D	A	A	A
Wood Alcohol	D	D	D	D	D	A	C	A
Wood Oil	D	D	D	D	D	C	A	A
Xenon	D	D	D	D	D	A	A	A
Xylene	C	A	A	A	A	C	A	C
Xylidenes-Mixed-Aromatic Amines	D	D	D	D	D	A	C	C
Xylol	C	D	D	D	A	C	A	C
Zeolites	D	D	D	D	D	A	A	A

CHEMICAL COMPATIBILITY CHART

CATEGORY	DESCRIPTION
A	No known effect
B	Some effect, evaluate with caution
C	Moderate to Severe effect, evaluation not recommended
D	Unknown

	Polypropylene	316SS	Carbon	Ceramic	PTFE (Teflon-type)	EPDM	Fluorocarbon (Viton-type)	Nitrile / Buna N
Zephiran Chloride, 1% - Misc., Disinfectant	A	D	D	D	D	D	D	D
Zephiran Chloride, 7% - Misc., Disinfectant	A	D	D	D	D	D	D	D
Zinc Acetate	D	D	D	D	D	A	C	B
Zinc Ammonium Chloride	D	D	D	D	D	A	C	C
Zinc Chloride	A	C	A	A	A	A	A	A
Zinc Chromate	D	D	D	D	D	A	C	C
Zinc Cyanide	D	B	A	A	D	A	D	D
Zinc Diethyldithiocarbamate	D	D	D	D	D	A	C	C
Zinc Dihydrogen Phosphate	D	D	D	D	D	A	C	C
Zinc Fluorosilicate	D	D	D	D	D	D	D	D
Zinc Hydrosulfite	D	D	D	D	D	A	C	C
Zinc Naphthenate	D	D	D	D	D	D	D	D
Zinc Nitrate	D	B	A	A	D	A	A	A
Zinc Oxide	D	D	D	D	D	A	A	A
Zinc Phenolsulfonate	D	D	D	D	D	A	C	C
Zinc Phosphate	D	A	A	A	D	A	A	A
Zinc Salts	D	D	D	D	D	A	A	A
Zinc Silicofluoride	D	D	D	D	D	D	D	D
Zinc Stearate	A	D	D	D	D	A	C	C
Zinc Sulfate	A	B	A	A	A	A	A	A
Zinc Sulfide	D	D	D	D	D	A	C	C
Zirconium Nitrate	D	D	D	D	D	A	A	A