

# Chemical Compatibility Chart for Urethane

Chemical compatibility charts should be used as general guidelines. For specific applications, please contact Utex technical services.



**UTEX INDUSTRIES, INC.**

## Compatibility Key:

1 = EXCELLENT | 2 = GOOD | 3 = POOR | 4 = DO NOT USE

### A

CHEMICALS	ESTER	ETHER
Acetaldehyde	4	4
Acetic Acid	4-3	4-3
Acetic Anhydride	4	4
Acetone	4	4
Acetyl Bromide	4	3-4
Acetyl Chloride	4	3-4
Acetylene	3	2-3
Adipic Acid	2	1
Aluminum Chloride	2	2
Aluminum Sulfate	2	2
Aluminum Sulfide	2	2
Ammonia	2-3	2
Ammonium Acetate	3-4	3-4
Ammonium Carbonate	2	2
Ammonium Hydroxide	2	1-2
Ammonium Nitrate	2-3	2
Ammonium Persulfate	2	2
Ammonium Sulfate	2	2
Ammonium Sulfide	2	2
Ammonium Thiocyanate	2	2
Amyl Acetate	4	4
Amyl Alcohol	3-4	3
Amyl Chloride	3	3
Aniline	4	4
Aniline Hydrochloride	4	4
Animal Fats & Oils	2-3	2-3
Antimony Salts	2	2
Aqua Regia	4	4
Arsenic Salts	2	2-1
ASTM Oil #1	1	1-2

### A

ASTM Oil #2	1	2
ASTM Oil #3	1	2
ASTM Reference Fuel A	1-2	1
ASTM Reference Fuel B	2	2
Atlantic Oil	1-2	2

### B

CHEMICALS	ESTER	ETHER
Barium Carbonate	2	2
Barium Hydroxide	2	1
Benzaldehyde	4	41335
Benzene	4	4
Benzene (Gasoline) (aromatic)	3	2-3
Benzoic Acid	3-4	2-3
Boric Acid	2	1
Bromine	2-3	2-3
Bunker Oil	2	1-2
Butane	2-3	1
Butyl Acetate	4	4
Butyl Alcohol	3	2

### C

CHEMICALS	ESTER	ETHER
Calcium Carbonate	2	2
Calcium Chloride	2	1
Calcium Hydroxide	2	1
Calcium Nitrate	2	2
Calcium Sulfate	2	2
Carbon Dioxide	1	1
Carbon Disulfide	2-3	2-3
Carbon Monoxide	1	1
Carbon Tetrachloride	4	3

**C**

CHEMICALS	ESTER	ETHER
Chloroacetic Acid	4	3-4
Chloroform	4	4
Chromic Acid	4	3-4
Chromium Potassium Sulfate	2	2
Citric Acid	2	2
Cottonseed Oil	2	1
Cresol (meta)	4	4
Cupric Chloride	2	1
Cupric Nitrate	2	2
Cupric Sulfate	2	2
Cyclohexane	2	2
Cyclohexanone	4	4

**D**

CHEMICALS	ESTER	ETHER
Dibutyl Ether	2	2
Dibutyl Phthalate	4	3-4
Dichlorobenzene (Ortho)	3	3
Diester Oil	2	2
Dimethyl Acetamide	4	4
Dimethyl Formamide	4	4
Dodecyl Mercaptan	2	2-3
DTE Oil (heavy, medium)	2-3	2

**E**

CHEMICALS	ESTER	ETHER
Esso #90 Lub. Oil	2	1
Ether	2-3	2-3
Ethyl Acetate	4	4
Ethyl Alcohol (Ethanol)	2-3	3
Ethyl Bromide	3-4	3
Ethyl Chloride	3-4	3
Ethylene Glycol	2-3	2

**F**

CHEMICALS	ESTER	ETHER
Ferric Chloride	2	2
Ferric Nitrate	2	2
Ferrous Chloride	2	2
Ferrous Sulfate	2	2

**F**

Formaldehyde	2	3
Formic Acid	4	3-4
Freon, 12 or 113	2	1
Fuel Oil	2	2

**G**

CHEMICALS	ESTER	ETHER
Gasoline	2-3	2
Glycerine (Glycerol)	2	1
Glycolic Acid	2-3	2
Greases	2	1-2

**H**

CHEMICALS	ESTER	ETHER
Heptane	2	1
Hexane	2	1
Hydrazine	4	4
Hydrobromic Acid	2	2
Hydrocarbon Oil	2	1
Hydrochloric Acid, 20%	2-3	2
Hydrofluoric acid	3	2-3
Hydrogen	2	1-2
Hydrogen Peroxide	2	2
Hydrogen Sulfide	4	3-4
Hydroiodic Acid	2	2

**I**

CHEMICALS	ESTER	ETHER
Iodine Solution	2	1
Isooctane	2	2
Isopropyl Alcohol (Isopropanol)	3	2-3
Isopropyl Ether	2-3	2

**J**

CHEMICALS	ESTER	ETHER
JP-4 oil	3	2-3
JP-5 & 6	4	4

**K**

CHEMICALS	ESTER	ETHER
Kerosene	2-3	2

**L**

CHEMICALS	ESTER	ETHER
Lactic Acid	2	2
Lead Acetate	2	2
Linseed Oil	2-3	2
Lubricating Oil	2-3	2

**M**

CHEMICALS	ESTER	ETHER
MIL-D-5606 Oil	3-4	3
Magnesium Hydroxide	1-2	1
Magnesium Salts	2	2
Malaic Acid	4	3-4
Mercury	2	1-2
Methyl Alcohol (methanol)	3	4
Methyl Ethyl Ketone	4	4
Methylene Chloride	4	4
MIL-L-7808	2-3	1-2
Mineral Oil	1	1
Mobil Artic Oil	2	1

**N**

CHEMICALS	ESTER	ETHER
Naphthalene	2-3	2
Natural Gas	2	2
Nickel Salts	3-4	3
Nitric Acid	4	4
Nitrobenzene	4	4
Nitrogen	1	1

**O**

CHEMICALS	ESTER	ETHER
Oleic Acid	2	1-2
Oxalic Acid (5%)	1-2	1
Oxygen	1	1
Ozone	1	1

**P**

CHEMICALS	ESTER	ETHER
Paints	2	1-2
Palmitic Acid	2	1
Perchloric Acid	4	4

**P**

Perchloroethylene	4	3-4
Petroleum	2	1-2
Phenol (carbolic acid)	4	4
Phosphoric Acid (conc.)	4	3
Phosphoric Acid (dil.)	3	2-3
Potassium Cyanide	2	1
Potassium Salts	2	2
Propane	2	2
Propyl Alcohol	3	2-3
Propylene Glycol	2	2
Pydraul Oil	4	4

**S**

CHEMICALS	ESTER	ETHER
SAE #10 Oil	1	1
Seawater	2	1-2
Silicic Acid	2	2-1
Silver Nitrate	2	2
Skydrol Oil (500)	3	4
Soap	2-3	2-3
Sodium Acetate	2	1-2
Sodium Bicarbonate	2	2
Sodium Bisulfate	2	2
Sodium Borate	2	2
Sodium Carbonate	2	2
Sodium Chlorate	2	2
Sodium Chloride	2	2
Sodium Cyanide	2	2
Sodium Dichromate	2	2
Sodium Ferrocyanide	2	2
Sodium Fluoride	2-3	2
Sodium Hydrosulfite	2	2
Sodium Hydroxide, 45%	2	2
Sodium Hypochlorite, 5%	4	4
Sodium Nitrate	2	2
Sodium Silicate	2	1-2
Sodium Sulfate	2	2
Sodium Sulfate	2	2
Sodium Sulfide	2	2
Sperry Oil	2-3	2

**S**

CHEMICALS	ESTER	ETHER
Steam	4	4
Stoddard Solvent	2	1
Styrene	2	2
Sulfur Dioxide	2-3	2
Sulfuric Acid, 10-50%	4	3-4

**T**

CHEMICALS	ESTER	ETHER
Tannic Acid, 10%	2	1
Tartaric Acid	2-3	1
Tin Salts	2	2
Titanium Salts	2	2
Toluene	4	4
Transformer Oil	3	2-3
Trichloroacetic Acid	4	4
Trichloroethylene	4	4
Tricresyl Phosphate	4	3-4
Triethanol Amine	2	2
Trisodium Phosphate	2	2
Turpentine	2	3

**U**

CHEMICALS	ESTER	ETHER
Urea	2	2

**V**

CHEMICALS	ESTER	ETHER
Varnish	2-3	2
Vegetable	2	1

**W**

CHEMICALS	ESTER	ETHER
Water	2	2

**X**

CHEMICALS	ESTER	ETHER
Xylene	3-4	3
Xylol	4	3-4

**Z**

CHEMICALS	ESTER	ETHER
Zinc Chloride	2	2
Zinc Sulfate	2	2

Chemical compatibility charts should be used as general guidelines.  
For specific applications, please contact Utex technical services.



**UTEX INDUSTRIES, INC.**

🖱 [www.utexind.com](http://www.utexind.com)

☎ 855.980.0413

✉ [info1@utexind.com](mailto:info1@utexind.com)