



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
10% Phosphoric Acid @ 170F	D
10W30 Motor Oil (Quaker State)	A
1,3,5-Triazinane-2,4,6-trione (Cyanuric acid)	A
2-Butoxyethanol (EGBE)	C
2,2-dibromo-2-cyanoacetamide 30%	A
2,2 methyliminodiethanol; N-dimethyldiethanolamine	A
2,3-dihydroxybutanedioic acid (Tartaric acid)	B
4-Methyl-2-pentanone (MIK)	C
4,5-dichloro-2-octyl-isothiazolone 0.75%	A
45% Ammonia/35% Urea 20% water [UAE32 and 18]	A
Acetic Acid 5% concentration	A
Acetic Acid 15% concentration	A
Acetic Acid 30% concentration	A
Acetone (100%)	C
Adipic Acid	B
Aluminum Sulfate	A
Ammonia 29%	A
Ammonium Hydroxide (Ammonia) 5-10% concentration	A
Ammonium Nitrate 25%	A
Ammonium Nitrate 50%	A
Ammonium Sulfate 50%	A
Benzene	D
Boric @ 160F (Agrathane and Ecodur)	D
Butyl Acetate	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Calcium Bromide 80%	A
Calcium Bromide 60%	A
Calcium Hydroxide 30%	A
Calcium Hydroxide 35%	A
Calcium Hydroxide 40%	A
Calcium nitrate	A
Carbon	A
Carbon Dioxide gas and reaction product Carbonic Acid in aqueous solution	A
Choline chloride 70%	A
Citric Acid 5% concentration	A
Citric Acid 15% concentration	A
Citric Acid 30% concentration	A
Cottonseed Oil	A
CPE 2-22-7-20	B
Cyclohexane	A
Cyclohexanol	A
Dichloromethane	C
Diesel Fuel (Chevron low sulfur)	A
Dipotassium phosphate 20%	A
Dishwashing liquid 1% (Dawn)	A
Ethane-1,2-diol (Ethylene glycol)	A
Ethanedioic acid 14%	A
Ethanol 75% concentration (151 proof)	A
Ethanol 90% concentration (180 proof)	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Ethanol 76 + Piperazine 16%	A
Ethanol (100% or 200 proof)	B
Ethanolamine neat	C
Ethanolamine 30% + Propiconazole	A
Ether	A
Ethylenediamine	D
Ethylene oxide gas combined with Propylene oxide liquid	A
Ferrous Sulfate	A
Formic Acid 5% concentration	A
Formic Acid 15% concentration	B
Formic Acid 30% concentration	B
Formic Acid 95% concentration	C
Free Water Knock Oil, clean (FWKO)	A
Formaldehyde 37%	A
Furan-2-carbaldehyde (Furfural)	D
Gasoline (Chevron min-grade with Techron and MTBE)	C
Glycolic 5%	A
Grape Juice	A
Hexane 100%	A
Hexanedioic acid	B
Hydraulic Fluid	A
Hydrochloric Acid 5% concentration	A
Hydrochloric Acid 15% concentration {color change}	B
Hydrochloric Acid 30% concentration {color change}	B

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Hydrochloric Acid 36% concentration {color change}	B
Hydrofluoric Acid 5% concentration	B
Hydrofluoric Acid 15% concentration	B
Hydrochloric Acid 30% concentration {color change}	B
Hydrochloric Acid 36% concentration {color change}	B
Hydrofluoric Acid 5% concentration	B
Hydrofluoric Acid 15% concentration	B
Hydrofluoric Acid 30% concentration {color change}	C
Hydrofluorosilic Acid 20-25%	A
Hydrogen Peroxide 30% concentration {color change}	B
Hydrogen Sulfide gas (precursor to Sulfuric Acid) 100%	A
Iron(III) chloride (Ferric chloride)	A
Iron Sulfate @ 60 C (Agrathane and Ecodur)	B
Isopropyl Alcohol (100%)	B
Kerosene	A
Lactic Acid 88%	A
Lactic Acid 88% (103°F)	A
Lactic Acid 88% (120°F)	B
Lactic Acid 88% (150°F)	D
Lacquer Thinner (Adhesive Remover and Toluene)	D
Laundry Detergent (Tide)	B
Magnesium Chloride	A
Magnesium Hydroxide	A
Methanol (100%)	B

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Methyl 2-hydroxybenzoate (wintergreen oil)	D
Methyl Acetate	C
Methyl Isobutyl Ketone	C
Methyl Oleate	B
N-Methyl-2-pyrrolidone (NMP)	D
Nitric Acid 5% concentration	B
Nitric Acid 15% concentration {color change}	B
Nitric Acid 30% concentration {color change}	C
Octadecylamine 97% @80 F	C
Oleic Acid	A
Ozone Solution 100ppm	A
Peppermint Oil	D
Petroleum (Crude Oil)	A
Petroleum (Refined crude oil)	B
Peracetic Acid (prepared by mixing equal parts 50% conc. Acetic Acid and 30% conc. Hydrogen Peroxide)	B
Perchloric acid 70%	D
phenolphthalein	A
phenol red	A
Phenylethene (Styrene monomer)	D
Phosphoric 75% and Sulfuric 4%	A
Phosphoric Acid 1% concentration	A
Phosphoric Acid 5% concentration	A
Phosphoric Acid 15% concentration	A
Phosphoric Acid 30% concentration	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR 201 Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Phosphoric Acid 85%	A
Phosphorous Acid 5% concentration	A
Phosphorous Acid 15% concentration	A
Phosphorous Acid 30% concentration	A
Piperazine	B
Polyacrylamide 10%	A
Polyacrylamide 5% in Polyacrylic Acid 40.5%	A
Polyacrylamide 5% in Polyacrylic Acid 45%	A
Polyacrylic Acid 45%	A
Polyoxyethylene nonylphenol	B
Polysorb80	B
Potassium chloride (95°C)	A
Potassium hydroxide 25% (caustic potash)	A
Potassium hydroxide 45% (caustic potash)	A
Potassium manganate VII	B
Potassium Permanganate	B
Quaternary ammonium cations 60.5%	B
Seawater	A
Sodium Fluoride 5%	A
Sodium Fluoride 15%	A
Sodium hexametaphosphate	A
Sodium hydrogen phosphate	A
Sodium hydroxide 20% (caustic soda)	A
Sodium hydroxide 25% (caustic soda)	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Sodium hydroxide 50% (caustic soda)	A
Sodium hydroxide 60% (caustic soda)	A
Sodium hypochlorite 8.25% (household bleach) {color change}	A
Sodium hypochlorite 15%	A
Sodium Metabisulfite 30%	A
Sodium Methylate 30%	A
Sodium metasilicate	A
Sodium Silicate	A
Sodium Thiocyanate 26%	A
Sodium Thiocyanate 52%	A
Sulfamic 10%	A
Sulfamic 15%	A
Sulfuric Acid 5% concentration	A
Sulfuric Acid 15% concentration	A
Sulfuric Acid 30% concentration	A
Sulfuric Acid 35%	A
Sulfuric Acid 45%	B
Sulfuric Acid 55%	B
Tannic acid	A
Tetrachloroethane	C
Tetrachloroethylene (PERC)	C
Thioglycolic acid	D
Triazine	A
Titanium dioxide 10%	A
Titanium dioxide 50%	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.



ECODUR Chemical Compatibility Chart

ECODUR Chemical Compatibility Chart ASTM D543-06 (modified)

Chemical Description	Rating
Titanium dioxide saturated	A
Trichloroethane	C
Trichloroethylene	D
Tricresyl phosphate	A
Tridecyl hydrogen sulfate 1%	A
Turpene (Limonene 97%)	B
Turpenoid	B
Urea 25%	A
Urea 50%	B
Vegetable Oil	A
Xylene (100%)	D
Xylene 5% concentration in 10W30 Motor Oil	A
Xylene 10% concentration in 10W30 Motor Oil	A
Zinc Bromide 50%	A
Zinc Bromide 90%	A
Zinc Orthophosphate Aquapure ZOP 437	A
Zinc oxide	A
Zinc sulfate	A

V9.0

LAST UPDATED: 06/13/2023

A - Excellent

Shows little or no effect after exposure.

B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

C - Poor

Is affected after exposure. Swelling will limit life.

D - Severe Effect

Unsuitable.