

CHEMICAL COMPATIBILITY CHART

ECO LINER

Last updated September 2014

Chemical Description	Rating
Seawater	A
Formic Acid 5% Concentration	A
Formic Acid 15% Concentration	B
Formic Acid 30% Concentration	B
Formic Acid 95% Concentration	C
Hydrochloric Acid 5% Concentration	A
Hydrochloric Acid 15% Concentration (Color change)	B
Hydrochloric Acid 30% Concentration (Color change)	B
Hydrofluoric Acid 5% Concentration	B
Hydrofluoric Acid 15% Concentration	B
Hydrofluoric Acid 30% Concentration (Color change)	C
Nitric Acid 5% Concentration	B
Nitric Acid 15% Concentration (Color change)	B
Nitric Acid 30% Concentration (Color change)	C
Sulfuric Acid 5% Concentration	A
Sulfuric Acid 15% Concentration	A
Sulfuric Acid 30% Concentration	A
Hydrogen Sulfide Gas (precursor to Sulfuric Acid)	A
Phosphoric Acid 1% Concentration	A
Phosphoric Acid 5% Concentration	A
Phosphoric Acid 15% Concentration	A
Phosphoric Acid 30% Concentration	A
Phosphorous Acid 5% Concentration	A
Phosphorous Acid 15% Concentration	A
Phosphorous Acid 30% Concentration	A
Acetic Acid 5% Concentration	A
Acetic Acid 15% Concentration	A
Acetic Acid 30% Concentration	A
Citric Acid 5% Concentration	A

Chemical Description	Rating
Citric Acid 15% Concentration	A
Citric Acid 30% Concentration	A
Carbon Dioxide Gas and reaction product Carbonic Acid in aqueous solution	A
Peracetic Acid (Prepared by mixing equal parts 50% conc. Acetic Acid and 30% conc. Hydrogen Peroxide)	B
Caustic Soda 20% Concentration	A
Caustic Soda 25% Concentration	A
Caustic Soda 50% Concentration	A
Caustic Potash 25% Concentration	A
Caustic Potash 45% Concentration	A
Ammonium Hydroxide (Ammonia) 5-10% Concentration	A
10W30 Motor Oil (Quaker State)	A
Xylene 5% Concentration in 10W30 Motor Oil	A
Xylene 10% Concentration in 10W30 Motor Oil	A
Xylene (neat - 100%)	D
Hydrogen Peroxide 30% Concentration (Color change)	A
Household bleach (Sodium Hypochlorite 8.25% Concentration + Surfactant) (Color change)	A
Ethylene Glycol (Anti-Freeze at full strength)	A
Diesel Fuel (Chevron low sulfur)	A
Gasoline (Chevron min-grade with Techron and MTBE)	C
Acetone (neat - 100%)	C
Ethanol 75% Concentration (151 proof)	A
Ethanol 90% Concentration (180 proof)	A
Ethanol (neat - 100% or 200 proof)	B
Methanol (neat - 100%)	B
Lacquer Thinner, Adhesive Remover/Paint Stripper and Toluene	D
Isopropyl Alcohol (neat - 100%)	B

A	Excellent	Shows little or no effect after exposure.
B	Fair	May be affected after exposure. Swelling and/or loss or physical properties is possible.
C	Poor	Is affected after exposure. Swelling will limit life.
D	Severe Effect	Unsuitable

