



HEMP COAT

HempCoat™ Chemical Compatibility Chart



HempCoat™ (Natural White) Chemical Compatibility Chart ASTM D543-06 (modified)

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
Hydrochloric Acid 36% 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

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

D - Severe Effect
Unsuitable.

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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
Methyl Oleate	B
Lactic Acid 88%	A
Lactic Acid 88% (103°F)	A
Lactic Acid 88% (120°F)	B
Lactic Acid 88% (150°F)	D
Citric Acid 5% concentration	A
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 Soda 60% 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

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Xylene 10% concentration in 10W30 Motor Oil	A
Xylene (neat - 100%)	D
Hydrogen Peroxide 30% concentration {color change}	B
Household Bleach (Sodium Hypochlorite 8.25% concentration + Surfactant) {color change}	A
Bleach 15%	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
Crude Oil	A
Sodium Thiocyanate 26%	A
Sodium Thiocyanate 52%	A
Ammonium Nitrate 25%	A
Ammonium Nitrate 50%	A
Phosphoric Acid 85%	A
Ammonia 29%	A
Clean FWKO	A
CPE 2-22-7-20	B

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Benzene	D
Calcium Bromide 80%	A
Calcium Bromide 60%	A
Zinc Bromide 90%	A
Zinc Bromide 50%	A
Kerosene	A
Sulfamic 10%	A
Sulfamic 15%	A
Phosphoric 75% and Sulfuric 4%	A
Sodium Metabisulfite 30%	A
Ferric Chloride	A
Ethylene oxide gas combined with Propylene oxide liquid	A
Magnesium Chloride	A
EGBE (2-butoxyethanol)	C
Ethylenediamine	D
Sodium Fluoride 5%	A
Sodium Fluoride 15%	A
Calcium Hydroxide 30%	A
Calcium Hydroxide 35%	A
Calcium Hydroxide 40%	A
Urea 25%	A
Urea 50%	B
Ammonium Sulfate 50%	A
Petroleum	B

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KCl @95C	A
Choline Cl2 70%	A
Dipotassium phosphate 20%	A
Hexane	A
Formaldehyde 37%	A
Aluminum Sulfate	A
Thioglycolic acid	D
Turpene (Limonene 97%)	B
Polyoxyethylene nonylphenol	B
Turpenoid	B
Quats 60.5%	B
TiO2 10%	A
TiO2 50%	A
Polyacrylic Acid 45%	A
Polyacrylamide 10%	A
Polyacrylamide 5% in Polyacrylic Acid 40.5%	A
Polysorb80	B
Octadecylamine 97% @80 F	C
Polyacrylic Acid 45%	A
Polyacrylamide 10%	A
5% Polyacrylamide in 45% Polyacrylic Acid	A
TiO2 saturated	A
Sodium Methylate 30%	A
Styrene Monomer	D

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PERC	C
Dawn 1%	A
Vegetable Oil	A
Oleic Acid	A
Grape Juice	A
Landry Detergent (Tide)	B

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