

# Chemical Resistance Chart

	Sentinel Tank Pad Coating	Sentinel Tank pad Core	EPS Tank Pad	Sentinel Dike Wall Interior Coating	Sentinel Pre-sprayed Geotextile Liners	Sentinel Cold Weather Seaming Material
Ammonia, Anhydrous	✓	✓	✓	✓	✓	✓
Ammonium Hydroxide	✓	✓	✓	✓	✓	✓
Basin Samples						
Bakken	✓	✓		✓	✓	✓
3 Forks	✓	✓		✓	✓	✓
Red River	✓	✓		✓	✓	✓
Mission Canyon	✓	✓		✓	✓	✓
Ratcliff-Dupro	✓	✓		✓	✓	✓
Benzene	✓	Limited		✓	✓	✓
Boric Acid	✓	✓	✓	✓	✓	✓
Butanol	✓	✓	✓	✓	✓	✓
Chlorobenzene	✓	Limited		✓	✓	✓
Com Syrup	✓	✓	✓	✓	✓	✓
Diesel	✓	✓	Limited	✓	✓	✓
DINP	✓	✓		✓	✓	✓
Ethanol						
Ethyl Acetate						
Ethyle Glycol	✓	✓	Limited	✓	✓	✓
Formaldehyde	✓	✓		✓	✓	✓
Formic Acid 50%						
Gasoline		✓				
Glycol Ether	✓	✓		✓	✓	✓
Hexane	✓	✓		✓	✓	✓
Hydrochloric Acid 10%	✓	✓	✓	✓	✓	✓
Hydrochloric Acid 20%	✓	✓	Limited	✓	✓	✓
Hydrogen Peroxide	✓	✓	Limited	✓	✓	✓
IPA						
Jet Fuel (JP-5)	✓	✓		✓	✓	✓
Kerosene	✓	✓		✓		✓
Light gasoline	✓	✓		✓	✓	✓
Methanol		✓	✓			
Methyl Ethyl Ketone						
Methylene Chloride						
Mineral Oil	✓	✓	✓	✓	✓	✓
Mineral Spirits	✓	✓		✓	✓	✓
Motor Oil	✓	✓	✓	✓	✓	✓
Naphtha	✓	✓		✓	✓	✓
Normal grade gasoline/benezene 60:40	✓	✓	✓	✓	✓	✓
Phosphoric Acid 20%	✓	✓	Limited	✓	✓	
Phosphoric Acid 50%	✓	✓	Limited	✓	✓	
Potassium Bicarbonate	✓	✓	✓	✓	✓	✓
Propylene Gicol	✓	✓	Limited	✓	✓	✓
Salt Water	✓	✓	✓	✓	✓	✓
Sodium Hydroxide 20%	✓	✓	✓	✓	✓	✓
Sodium Hydroxide 40%		✓	✓	✓	✓	✓
Sodium Hydroxide 50%	✓	No Data	No Data	✓	✓	✓
Sodium Hypochlorite	✓	No Data	No Data	✓	✓	✓
Sulfuric Acid 20%	✓	✓		✓	✓	✓
Sulfuric Acid 50%						
Tetrachloroethylene	✓	✓		✓	✓	✓
Toluene		Limited				
Tricresyl Phosphate						
Triethylamine		✓				✓
Trisodium Phosphate	✓	No Data	No Data	✓	✓	✓
Trupentine		✓				
Vinegar	✓	✓		✓	✓	
Xylene		Limited				

✓ Recommended

**Limited** Noticeable effect, but no indication of serviceability or useful life impact

**No Data** Insufficient study data

**(Blank)** Not recommended for service applications

Ratings are based on ULC requirements of <5% mass change, <10% volume change, <50% tensile change after exposure. The chemical compatibility ratings and data in this table were obtained from reliable published sources. This information should be used as a preliminary guide. The specific service conditions and part design involved may affect the performance of the article in a chemical environment. It is normally advisable to run laboratory tests employing specimens resembling the actual parts and exposed conditions of the end-use environment the product will encounter.