SpillTech
Sales & Marketing
5440 McGinnis Village Place
Suite 102
Alpharetta, GA 30005
Phone: 1-800-228-3877
Fax: 1-800-872-3764

SpillTech
Manufacturing
Brookley Industrial Complex
1627 O'Donoghue Street
Mobile, AL 36615
Phone: 1-251-694-0102

Chemical Compatibility Guide For Polyurethane Items

This Chemical Compatibility Guide is offered for informational purposes only and was developed from information sources other than SpillTech. The information from such third party sources is believed to be reliable and accurate; however, Purchaser should make its own determination of compatibility before using any SpillTech product.

It is the sole responsibility of the Purchaser to determine whether any product is suitable for Purchaser's actual or intended uses.

Due to the nature of softer urethane, the physical properties of these products may change with exposure to certain environmental conditions like temperature, humidity and UV radiation. Please inspect the stored product regularly to ensure it is in a usable state. Do not store or use in temperatures exceeding 120°F (49°C) for an extended period of time. Typical life expectancy of urethane products is about 5 years.

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KEY

Swelling (Visually rated from 0-2): 0 = None, 1 = Slight, 2 = Significant
Degradation (Visually rated from 0-2): 0 = None, 1 = Slight, 2 = Significant

RATINGS

GOOD: No swelling, no degradation
FAIR: Temperature increase and/or color change
ER: Not recommended for long-term, repeated contact with this liquid; suitable only for Emergency / Spill Response. After contact with this liquid, the Blocker should be discarded.

Note: SpillCurb and SpillBerm Products that have been chemically degraded may be considered hazardous waste because of their mixture with a hazardous liquid. Dispose of in accordance with Federal, State and Local requirements.

Chemical Name	Swelling	Degradation	Rating	Comments
Acetone	2	0	ER	Slight swelling after 2 hrs
Acetonitrile	1	0	Fair	Slight swelling after 4 hrs
Aluminum Salts	0	0	Good	
Ammonia, Anhydrous	0	0	Good	
Ammonium Hydroxide	0	0	Good	
Barium Salts	0	0	Good	
Benzyl Alcohol	1	1	Fair	Slight swelling after 3.5 hrs
Boric Acid	0	0	Good	
Butanol	0	0	Good	
Calcium Chlorite	0	0	Good	
Carbon Disulfide	1	0	Fair	Slight swelling after 3.5 hrs
Chloroform	2	1	ER	Degradation begins at 30 minutes
Cupric Chloride	0	0	Good	
Cyclohexanone	1	2	ER	

Dichloromethane	2	2	ER	
Diethylamine	1	1	Fair	Slight swelling after 3 hrs
Dimethylformamide	2	2	ER	Slight swelling after 1 hr
Ethyl Acetate	1	0	Fair	Slight swelling after 4 hrs
Formaldehyde	0	0	Good	
Formic Acid	0	1	Fair	Degradation begins after 30 min
Gasoline	0	0	Good	
Glycol Ether	0	0	Good	
Hexane	0	0	Good	
Hydrazine, Anhydrous	2	2	ER	Slight swelling after 30 minutes
Hydrochloric Acid 37%	0	2	ER	Degradation begins after 30 minutes
Hydrofluoric Acid 48%	0	2	ER	Degradation begins after 30 minutes
Hydrogen Peroxide 30%	1	0	Fair	
Jet Fuel (JP-5)	0	0	Good	
Kerosene	0	0	Good	
Maleic Acid 30%	0	0	Good	
Methanol	0	0	Good	
Methyl Ethyl Ketone	2	0	ER	Slight swelling after 2 hrs
Methylene Chloride	2	2	ER	Degradation begins after 15 minutes
Mineral Oil	0	0	Good	
Naphtha	0	0	Good	
Nitric Acid 73%	2	2	ER	Degradation begins immediately
Nitrobenzene	0	2	ER	
Perchloroethylene	0	0	Good	
Phenol	0	2	ER	Sight swelling after 1 hr
Propylene Glycol	0	0	Good	
Sodium Hydroxide 50%	0	0	Good	
Sodium Hypochlorite 5%	0	0	Good	
Sulfuric Acid 50%	0	2	ER	Degradation begins after 30 minutes
Sulfuric Acid 98%	0	2	ER	
Tetrachloroethylene	0	0	Good	
Tetrahydrofuran	2	2	ER	Slight swelling after 3.5 hrs
Toluene	1	0	Fair	Slight swelling after 3.5 hrs
Trichloroethane	1	0	Fair	Slight swelling after 3 hrs
Trichloroethylene	1	0	Fair	Slight swelling after 2.5 hrs
Triethylamine	0	0	Good	
Turpentine	0	0	Good	