

Industrial Chemical Resistance Chart



		EPOXIES					URETHANES/POLYASPARTICS				
Chemical Name	% Conc.	SET9200	SET9300	SET9150	SET7900	SET8600	SET2700	SET9500 CR	SET9600/ SET9650	SET6100/ 9700/9750	MonoSET100
Acetic Acid	10%	R	R	R	R	R	R	R	R	R	R
Acetic Acid	30%	D	D	R	D	R	R	S	S	D	R
Acetic Acid	50%	N	N	N	N	R	R	S	S	D	D
Acetic Acid, 3%, and Propionic Acid		R	R	R	R	R	R	R	R		R
AC-103	100%	R	R	D	R	R	R	R	D	D	R
Acetone		N	N	N	N	R	R	R	R	D	R
ACP-99 Ketone		N	N	N	N	R	R				
Alum	48%	N	N	N	N	R	R				D
Aminoethanolamine		S	S	S	S	R	R				R
Ammonia	30%	R	R	R	R	R	R	R	R	R	R
Ammonium Hydroxide	30%	R	R	R	R	R	R	R	R	R	R
Antifreeze		R	R	R	R	R	R	R	R	R	R
Aromatic 100		D	D	D	D	R	R				D
Aromatic Hydrocarbons Super Hiflash 100		D	D	D	D	R	R				D
Avance Grease Cutter		D	R	R	D	R	S	R	R	R	DS
Avance Pot and Pan Detergent		R	R	R	R	R	R	R	R	R	DS
Benzene		N	N	N	N	R	R		R		N
Benzyl Alcohol	Photo	D	D	D	D	R	R	R	N	D	D
Betadine	10%	S	DS	DS	S	S	S	S	R	S	S
Boric Acid	4%	R	R	R	R	R	R			R	R
Brake Fluid, DOT 3		D	D	D	D	D	S	R	S		D
Butanol/Methyl Cellosolve		N	N	N	N	DS	R				N
Butyl Alcohol		D	D	D	D	D	D				D
Butyl Carbitol		D	D	D	D	D	D				
Butyl Cellosolve		N	N	N	N	DS	DS				
Butyl Cellosolve Acetate		N	N	N	N	DS	D				
Carbon Tetrachloride		R	R	R	R	R	R				
Caustic Soda Solution		R	R	R	R	R	R	R	R	N	R
Chlorine Bleach 2000		R	D	D	R	R	R	R	R	R	S

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Chromic Acid	10%	S	S	DS	S	R	R	S	S	DS	S	
Chromic Acid	40%	N	N	N	N	R	R	R	R	DS	DS	
ChloraPrep One-Step	2%	S	R	S	S	R	R	S	R	R	S	
CIP 100 Cleaner	100%	D	R	R	D	R	R	R	R	D	R	
CIP 200 Cleaner	100%	DS	DS	DS	DS	R	R	D	DS	DS	DS	
CIP 220 Cleaner	100%	N	N	N	N	R	R	DS	R	DS	S	
CIP 300 Cleaner	100%	R	R	R	R	R	R	R	R	R	R	
Citric Acid	10%	R	R	R	R	R	R	R		R	R	
Citric Acid	20%	R	R	R	R	R	R	R		R	R	
Citric Acid	50%	N	N	N	N	R	R	R		D	R	
Clorox	10%	R	R	R	R	R	R	R	R	D	R	
Coffee		S	S	S	S	R	R	R	R	S	R	
Cola	90C	N	N	N	N	R	R	S	S	S	S	
Cola	RT	D	D	D	D	R	R	R	R	R	R	
Copper Sulfate		S	S	S	S	R	R				S	
Coulter Tru Color Wright Stain		S	S	S	S	R	R	S	S	S	S	
Cupric Chloride		S	S	S	S	R	R				S	
Cyclohexanone		D	D	D	D	R	R				D	
Detergent, Heavy Duty		R	R	R	R	R	R	R			R	
Diacetone Alcohol		N	N		N	R	R					
Diesel		R	R	R	R	R	R	R	R	R	R	
Dimethyl Ethanol Amine		S	S	S	S	R	R					
Dimethylamineborane		S	S	S	S	R	R					
DMF		N	N	N	N	R	R	R	R	S	N	
Docosanic Acid (in Ethanol)	2.50%	N	N	N	N	R	R				N	
Drano (Sodium Hydroxide and Aluminum)		D	D	D	D	R	R	R			R	
DuraPrep	2%	N	DS	DS	N	R	R	DS	DS	DS	S	
Eco-Lab AC-3 Cleaner		N	N	N	N	R	R	DS	S	N	DS	
Eco-Lab Wash & Walk 14278		S			S	R	R	S			S	
Eco-Lab Neutral Disinfectant Cleaner (NDC)	100%	R	DS	DS	R	R	R	R	R	R	DS	
Eco-Lab Neutral Disinfectant Cleaner (NDC)	0.5 oz/ Gal	R	DS	DS	R	R	R	R	R	R	DS	
ECP Solvent		N	N	N	N	R	R	R			N	

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Enforce LP (6000 ppm)		R	S	R	R			D	R	R	D
Envirocid	100%	N	N	N	N	N	DS	N	S	N	S
Ethanol	95%	N	N	N	N	N	DS	R	R	D	D
Ethyl Acetate	99%	N	N	N	N	N	DS				D
Exellerate Cleaner		R	S	R	R	R	R	R	R	R	R
Fluboric Acid		D	D	D	D	S	R				
Formaldehyde	37%	DS	DS	DS	DS	D	S	S	S	S	S
Gasoline		R	R	R	R	R	R	R	R	R	R
Glycol Ether		N	N	N	N	DS	DS				
Heating Oil, Home		R	R	R	R	R		R	R	R	R
Heptanoic Acid	96%					S	S	S		N	
Hexane		N	N	N	N	R	R	R	R	R	R
Hibiclens	4%	R	R	S	R	R	R	R	S	D	R
Hydraulic Fluids		R	R	R	R	R	R	R	R	R	R
Hydrochloric Acid	5%	S	S	S	S	R	R	R	R	DS	R
Hydrochloric Acid	20%	S	S	S	S	R	R	S	R	N	S
Hydrochloric Acid	37%	N	N	N	N	S	R	S	S	N	S
Hydrofluoric Acid	10%	N	N	N	N	R	R	N		N	DS
Hydrofluoric Acid	40%	N	N	N	N	S	S	N		N	N
Hydrofluosilic Acid	30%	R	R	R	R	DS	DS	S		S	R
Hydrogen Peroxide	25%	D	D	D	D	R	R	S	S	D	R
Hydrogen Peroxide	50%	N	N	D	N	R	R	S	S	N	R
Hydrogen Peroxide (VHP)	560 ppm							S	R	S	
Io-Star		DS	S	S	DS	S	S	S	S	S	S
Iodine Tincture	2%	S	S	S	S	S	R	S	S	S	S
Isopropanol		D	D	D	D	D	S	R	R	R	D
Isopropyl Acetate	99%	D	D	D	D	D	S				D
Jet Fuel		R	R	R	R	R	R	R	R	R	R
Kennel Care (Provet Logic Floor Cleaner)	100%	R	R	R	R	R	R	R	R	R	R
Lactic Acid	10%	N	N	N	N	D	R	R	S	D	R
Lactic Acid	30%	N	N	N	N	DS	R	D	DS	N	R
Lactic Acid	88%	N	N	N	N	DS	R	N	N	N	R
Magnesium Hydroxide		R	R	R	R	R	R				R
MEK		N	N	N	N	D	D	R	R	D	N

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Methacrylate Monomer		D	D	D	D	N	R	R	R	N	N
Methanol		N	N	N	N	DS	D	R	R	D	N
Methyl Cellosolve		N	N	N	N	N	DS				
Methyl Dipropasol Solvent		N	N	N	N						
Methylene Chloride		N	N	N	N	N	N				N
MIBK		N	N	N	N	R	S	R	R	DS	N
Mineral Oil		R	R	R	R	R	R	R	R	R	R
Mineral Spirits		D	D	D	D	R	R	R	R	R	R
Monothanolamine		S	S	S	S						
Motor Oil		R	R	R	R	R	R	R	R	R	R
Mustard, Yellow		S	S	N	S	R	R	S	R	R	S
Nickel Chloride		S	S	S	S	S	S	S	S	S	S
Nickel Sulfate		S	S	S	S	S	S	S	S	S	S
Nitric Acid	10%	DS	DS	DS	DS	N	N	S	S	N	S
Nitric Acid	20%	DS	DS	DS	DS	S	D	DS	N	N	S
Nitric Acid	30%	N	N	N	N	DS	D	N	N	N	S
Nitric Acid	40%	N	N	N	N	DS	D	N	N	N	DS
Nitric Acid	70%	N	N	N	N	N	DS	N	N	N	N
Nitric Acid	98%	N	N	N	N	N	N	N	N	N	N
Oleic Acid		R	R	R	R	R	R	R	R	R	R
Oxalic Acid	10%	R	R	R	R	R	R	R	R	R	R
Peppermint Oil	100%	R	R	R	R	R	R	S	R	R	R
Peracetic Acid, 39% in Acetic acid	3%	S	D	S	S			D	R	D	S
Phenolic Paint Stripper Waste	1-5%	D	D	D	D	R	D		R	R	
Phosphoric Acid	7%	N	N	N	N	R	R	R	R	D	R
Phosphoric Acid	25%	N	N	N	N	R	R	R	R	N	R
Phosphoric Acid	85%	N	N	N	N	D	DS	N	N	N	N
Phosphoric Trichloride	100%	N	N	N	N				R		
PM Solvent		N	N	N	N	R	R	R	R	D	S
Polyester Resin		D	D	D	D	R	R		R		
Polyester Resin in Styrene		D	D	D	D	R	R				
Polyphosphates		R	R	R	R	R	R				R

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Potassium Cyanide		S	S	S	S	S	S				
Potassium Hydroxide	45%	R	R	R	R	R	R	R	R	DS	R
Potassium Permanganate	solid	S	S	S	S	S	S			DS	S
Propionic Acid	100%	D	D	D	D	S	R				
Propionic Acetate	100%	R			R	R	R	R	R	R	R
Propyl Cellosolve		N	N	N	N	D	S			N	N
Propylene Glycol		R	R	R	R	R	R	R	R	R	R
Propylene Glycol Ether		N	N	N	N	R	N	R	R	D	D
Red Wine Vinegar		R	S	DS	R	R	R	R	R	R	R
Remedy		R	S	R	R	R	R	R	R	S	S
Sani Clean		DS	S	DS	DS	S	S	S	S	S	S
Silver Cyanide		S	S	S	S	R	R				
Silver Nitrate	5%	S	S	S	S	R	R	S	R	S	S
Silver Nitrate	20%	S	S	S	S	R	R	S	S	S	S
Skydrol		D	D	D	D	D	S	R	DS	D	
Sodium Chloride		R	R	R	R	R	R	R	R	R	R
Sodium Hydroxide	50%	R	R	R	R	R	R	R	R	N	R
Sodium Hypochlorite, 10-15%	5%	R	R	R	R	R	R	D	R	R	R
Sodium Hypochlorite, 10-15%	15%	D	D	D	D	S	R	D	R	D	S
Sodium Hypochlorite, 10-15%	50%	D	D	D	D	D	S	D	R	D	S
Sodium Hypochlorite, 10-15%	100%	DS	DS	D	DS	DS	DS	D	D	D	S
Sodium Persulfate		S	S	S	S	S	R				S
Spartan, Inspector's Choice, 6ozs/gal	5%	R	S	S	R	R	R	R	R	R	R
Spartan, Sparclean Sure Step, 2ozs/gal	1.5%	R	R	R	R	R	R	R	R	R	S
Spearmint Oil		DS	D	D	DS	R	R	S	S	N	S
Spor-Klenz	0.30%	S	S	S	S	S	S	S	R	S	R
Star San		DS	S	DS	DS	S	S	S	S	S	S
Stride		R	S	S	R	R	R	R	R	R	S
Stoddard Solvent		N	N	N	N	DS	DS				N
Styrene		N	N	N	N	DS	S				N
Sulfonic Acid	70%	N	N	N	N	N	DS	DS		N	

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Sulfuric Acid	10%	S	S	S	S	R	R	S	S	S	S
Sulfuric Acid	30%	N	N	N	N	S	R	DS	S	N	S
Sulfuric Acid	50%	N	N	N	N	DS	S	N	DS	N	S
Sulfuric Acid	98%	N	N	N	N	N	DS	N	N	N	N
Tannic Acid	20%	S	S	S	S	R	R				S
Tartaric Acid	10%	R	R	R	R	R	R	R	R	R	R
Terpene Fraction of Spearmint Oil	100%	R	R	R	R	R	R	R	R	R	R
Toluol		N	N	N	N	R	R				
Top Guard		R	D	S	R	R	R	R	D	D	S
Transmission Oil	100%	R	R	D	R	R	R	R	R	R	R
Trichloroethane (1, 1, 1)	100%	D	D	D	D	DS					
Trichloroethylene	100%	N	N	N	N	DS		R		N	N
Triethanolamine (TEA)	100%	DS	DS	DS	DS	DS	DS				R
Triethanolpentamine (TEPA)	100%	DS	DS	DS	DS	DS	D				
Triethanoltetramine (TETA)	100%	DS	DS	DS	DS	DS	D				
Turbo Charge II NP		R	R	R	R	R	R	R	R	R	R
Urine		R	R	R	R	R	R	R	R	R	R
Vesphene II ST	2 oz./gal.	R	DS	DS	R	D	R	R	R	R	DS
White Vinegar		R	R	R	R	R	R	R	R	R	R
Virex		R	R	S	R	R	R	R	R	R	R
Vortexx (2600 ppm)		S	S	S	S	S	R	D	R	R	D
Water		R	R	R	R	R	R	R	R	R	R
Wine, Red		R	S	DS	R	R	R	S	R	R	R
Xylene		D	D	D	D	R	R	R	R	D	D

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WHY CLEAN YOUR FLOOR?

Appearance: Your floor will look its best when it is clean. By instituting a scheduled cleaning program, the floor will continue to look and perform as it did when it was first installed.

Safety: No matter how aggressive the texture of your floor, if it is not cleaned properly it can present a slip hazard. Emulsifying, rinsing and drying your floor properly will reduce the risk of a slip and fall incident.

Service Life: The lifetime of your floor will depend upon how well you clean it. In aggressive use areas (i.e. kitchens and machine shops), contaminants such as oil, dirt and grease work with water and bacteria to attack your floor.

All data is based on room temperature exposure. Please check with the technical department of Surface Engineered Technologies (SET) for elevated constant temperature or thermal shock exposure. Substance combinations were NOT tested. The data provided is without warranty or guarantee concerning results offered, expressed or implied herein.

METHODOLOGY:

- Epoxies and Acrylics (MMA) were tested by immersion for Shore D Hardness and weight change at 0, 2 and 7 days.
- Urethanes were spot tested and checked after 1,2 and 7 days.

