

CHEMICAL RESISTANCE DATA

R=Recommended S=Splash and Spill N=Not Recommended BOLD=Stainers

Chemical Name	%conc.	100	400	Novolac	HF
Acetic Acid	10%	R	R	R	R
Acetic Acid	30%	S	R	R	R
Acetic Acid	50%	N	R	R	S
Acetic Acid,3%, and Propionic Acid		R	R	R	R*
Acetone		N	N	N	
Acid Clean		S	R	R	
ACP-99 Ketone		N	N	S	
Acrylate esters		N	S	S	S
Actinol		R	R	R	R
Adipic Acid	13	R	R	R	R
Aircraft lubricant		R	R	R	R
Alum	48%	N	S	R	S
Aminoethanolamine		R*	R*	R*	R
Ammonia	30%	R	R	R	R
Ammonium Hydroxide	30%	R	R	R	R
Antifreeze		R	R	R	R
Aromatic 100		S	R	R	S
Aromatic hydrocarbons-Super Hiflash 100		S	R	R	S
Benzene		N	S	S	N
Benzoic Acid	25%	R	R	R	R
Benzyl Alcohol	Photo	S	R	R	S
Boric Acid	4%	R	R	R	R
Brake Fluid		R	R	R	S
Butanol/Methyl Cellosolve		N	S	S	N
Butyl Alcohol		S	R	R	S
Butyl Carbitol		S	S	R	
Butyl Cellosolve		N	S	S	
Butyl Cellosolve acetate		N	S	S	
Calgon cleaning agents		R	R	R	R
Carbon Tetrachloride		R	R	R	
Caustic Soda solution		R	R	R	R
Chromic Acid	10%	R*	R*	R*	R*
Chromic Acid	40%	N*	S*	R*	S*
Citric Acid	10%	R	R	R	R
Citric Acid	20%	R	R	R	R
Citric Acid	50%	N	S	R	R
Clorox		R	R	R	R
Coca Cola	90C	N*	N*	N*	
Coca Cola	RT	S	R	R	R
Copper Sulfate		R*	R*	R*	R*
Cupric Chloride		R*	R*	R*	R*
Cyclohexanone		S	R	R	S
Detergent, heavy duty		R	R	R	R
Diacetone alcohol		N	S	S	
Diallyl Diglycol Carbonate		R	R	R	
Dimethyl ethanol amine		R*	R*	R	
Dimethylamineborane		R*	R*	R*	
DMF		N	N	N	N
Docosanic Acid (in ethanol)	2.50%	N	S	R	N
Drano- (sodium hydroxide and aluminum)		S	S	R	R
EEP solvent		N	N	S	N
Ethanol	95%	N	S	S	S
Ethyl Acetate	99%	N	S	S	S
Fluoboric Acid		S	S	R	
Formaldehyde	37%	S*	S*	R*	R*
Gamma Butyrolactone		R	R	R	
Gasoline		R	R	R	
Glycol Ether		N	S	S	
Heating Oil-Home		R	R	R	R
Heptanoic Acid		R	R	R	R
Hexane		N	S	S	R
Hydraulic fluids		R	R	R	R
Hydrochloric Acid	10%	R*	R*	R*	R*
Hydrochloric Acid	20%	R*	R*	R*	R*
Hydrochloric Acid	35%	R*	R*	R*	R*
Hydrofluoric Acid	40%	N*	S*	S*	
Hydrofluosilic Acid	30%	R	R	R	
Hydrogen Peroxide	30%	S	R	R	R
Hydrogen Peroxide	50%	N	S	R	R

<i>Chemical Name</i>	<i>%conc.</i>	<i>100</i>	<i>400</i>	<i>Novolac</i>	<i>HF</i>
Hydrogen Peroxide	70%	N	S	R	
Iodine Tincture	2%	R*	R*	R*	R*
Isopropanol		S	R	R	S
Isopropyl Acetate	99%	S	R	R	S
Jet Fuel		R	R	R	R
Lactic Acid	88%	N	R	R	R
Lard Oil		R	R	R	R
Liquid Caustics	50%	R	R	R	R
Lurol PS 664(Ethoxylated)		R	R	R	
Magnesium Hydroxide		R	R	R	R
MEK		N	N	N	N
Methacrylate Monomer		S		S	N
Methanol		N	N	N	N
Methyl Cellosolve		N	N	N	
Methyl dipropasol solvent		N	S	R	
Methylene chloride		N	N	N	N
MIBK		N	N	S	N
Mineral Oil		R	R	R	R
Mineral Spirits		S	R	R	
Mixed Chlorinated Waste Solvents		N	S	S	
Monoethanolamine		R*	R*	R*	
Motor Oil		R	R	R	R
Nickel chloride		R*	R*	R*	
Nickel Sulfate		R*	R*	R*	
Nitric Acid	10%	S*	R*	R*	
Nitric Acid	20%	S*	R*	R*	R*
Nitric Acid	30%	N*	N*	R*	R*
Nitric Acid	40%	N*	N*	R*	
Nitric Acid	50%	N*	S*	R*	S*
Oleic Acid		R	R	R	
Otto Fuel		R	R	R	
Oxalic Acid	10%	R	R	R	
Peppermint Oil	100%	R	R	R	
Phenolic Paint stripper waste	1-5%	S	R	R	
Phosphoric Acid		R	R	R	R
Phosphorous Trichloride	100%	N	S	S	
PM Solvent		N	S	S	
Polyester Resin		S	R	R	
Polyester resin in styrene		S	R	R	
Polyols		R	R	R	R
Polyphosphates		R	R	R	R
Potassium Cyanide		R*	R*	R*	
Potassium Hydroxide	45%	R	R	R	R
Potassium Permanganate	solid	R*	R*	R*	R*
Potassium Silicate		R	R	R	R
Propionic Acid	100%	S	R	R	
Propyl Cellosolve		N	S	S	N
Propylene Glycol		R	R	R	R
Propylene glycol ether		N	S	R	S
Silver Cyanide		R*	R*	R*	
Silver Nitrate	20%	R*	R*	R*	R*
Skydrol		S	R	R	
Sodium Chlorite		R	R	R	R
Sodium Hydroxide	25%	R	R	R	R
Sodium Hydroxide	50%	R	R	R	R
Sodium Hypochlorite	7.50%	R	R	R	R
Sodium Hypochlorite	15%	R	R	R	R
Sodium Hypochlorite	50%	N	S	R	
Sodium Hypochlorite	100%	N	S	R	
Sodium Persulfate		R*	R*	R*	R*
Sodium Silicate		R	R	R	R
Spearmint Oil		S	R	R	
Stannous Sulphate		R	R	R	R
Stoddard solvent		N	S	S	N
Styrene		N	N	S	N
Sulfuric Acid	10%	R*	R*	R	R
Sulfuric Acid	50%	N*	R*	R*	R
Sulfuric Acid	75%	N*	R*	R*	N*
Sulfuric Acid	95-98%	N*	S*	R*	N

Chemical Name**%conc.****100****400****Novolac****HF**

Tannic Acid	20%	R*	R*	R*	R*	
Tartaric Acid	10%	R	R	R		
Terpene Fraction of Spearmint Oil	100%	R	R	R		
Tin chloride	0.20%	R	R	R		
Toluol		N	N	N		
Transmission Oil		R	R	R	R	
Triacetin		R	R	R		
Trichloroethane (1,1,1)		S	R	R		
Trichloroethylene		N	N	N	N	
Triethanolamine (TEA)		S*	S*	R*	R	
Triethanolpentamine (TEPA)		S*	S*	R*		
Triethanoltetramine (TETA)		S*	S*	R*		
Urine		R	R	R	R	
Vinegar		R	R	R	R	
Water		R	R	R	R	
Xylene		S	R	R	S	

All data is based on room temperature exposure

METHODOLOGY -

Epoxies were tested by immersion for Shore D Hardness & weight change at: 0, 2, 7 days

Urethanes were spot tested and checked after 1, 2, and 7 days