CHEMICAL RESISTANCE CHART

CHEMICAL COMPOUND	ICO FLOOR	ICO GUARD	ICO HI GUARD	ICO SUPER GUARD	ICO URE GUARD TL/SL	ICO URE GUARD 100
Acetic Acid – 10%	OS	R	I	I	I	I
Acetic Acid – 20%	OS	S	R	R	I	R
Acetic Acid – 36%	NR	NR	S	S	I	
Acetic Anhydride	NR	NR	R	I	S	OS
Acetone	NR	NR	OS	I	NR	NR
Acrylonitrile	NR	NR	NR	R	NR	NR
Alum (saturated)	R	I	I	I	I	
Ammonium Hydroxide	R	R	I	I	I	
Ammonium Nitrate	I	I	I	I		
Aniline	S	R*	I	I	S*	NR
Beer	I	I	I	I		
Benzene	OS	OS	I	I		
Black Liquor	I	I	I	I		
Bleach	R	I*	I	I	I	
Boric Acid	I	I	I	I	I	I
Brake Fluid	I	I	I	I	S	OS
Butyl Alcohol	R	I	I	I	S	NR
Butyl Cellusolv	R	I	I	I		
Calcium Chloride	I	I	I	I	I	I
Carbon Tetrachloride	R	I	I	I		
Carbonated Beverage	I	I	I	I		
Chlorine Water	I	I*	I	I		
Chloroform	NR	NR	OS	R	NR	NR
Chromic Acid: 0 – 30%	R	I*	I	I	I*	OS*
Citric Acid, conc.	R	I	I	I	I*	I
Copper Chloride	I*	I*	I	I	I	I*
Cumene Hydroperoxide	I	I	I	I		
Diesel Fuel	I	I	I	I	I	
Ethanol	OS	OS	I	I	OS	OS
Ethyl Acetate	NR	NR	I	I	NR	NR
Ethylene	NR	NR	OS	I	OS	
Ethylene Glycol	I	I	I	I	I	I
Ferric Chloride	I*	I*	I	I	I	I*
Formaldehyde	I	I	I	I	I	R
Formic Acid – 10%	NR	OS	R	OS		
Formic Acid – 30%	NR	NR	NR	OS	I	OS
Formic Acid – 50%	NR	NR	NR	OS		

Code: NR – Not Recommended
OS – Occasional Spill (Up to 24 hours)
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R – Recommended (up to7 days immersed)
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* - Stain, Color Change

Note: All chemical testing done at ambient conditions (75˚)

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Gasoline	R	R	I	I	R	OS
Glacial Acetic Acid	NR	NR	S	R	R	NR
Green Liquor	I	I	I	I		
n-Hexane	I	I	I	I	I	
Hydrobromic Acid – 50%	R*	I*	I	I*	I*	S*
Hydrochloric Acid – 37%	S*	I*	I	I*	I*	S
Hydrofluoric Acid – 10%	NR	S	OS	S*		
Hydrofluoric Acid – 30%	NR	NR	NR	S*		
Hydrofluoric Acid – 50%	NR	NR	NR	NR		
Hydrofluorosilicic Acid – 30%	R	I	I	I	I	
Hydrogen Peroxide – 50%	NR	R	R	R	I*	S
Hydrogen Sulfide in H_2O	I	I	I	I	I	I
Isopropyl Alcohol	I	I	I	I	I	
Jet Fuel	I	I	I	I	I	I
Kerosene	I	I	I	I	I	I
Klenzade	See Table at End of Chart					
Lactic Acid – 20%	R	R	I	I	I	
Lactic Acid – 50%	S	R	I	I	I	
Lactic Acid – 80%	OS	R	I	I	I	R
Maleic Acid	R	R	I	I	R	R
Malic Acid	I	I	I	I		
Methanol	NR	NR	NR	I	OS	NR
Methyl Ethyl Ketone	NR	NR	NR	I	NR	NR
Methyl Isobutyl Ketone	R	OS	I	I	NR	NR
Methyl Methacrylate	OS	NR	R	I	OS	NR
N-Methyl Pyrolidone	NR	NR	OS	I	NR	NR
Methyl Salicylate	I	I	I	I	I	
Methylene Chloride	NR	NR	NR	S		
Mineral Oil	I	I	I	I	I	I
Nitric Acid – 10%	R	I	I	I	I*	I
Nitric Acid – 30%	R*	I*	I*	S*	R*	
Nitric Acid – 50%	NR	R*	NR	OS	NR	NR
Nitric Acid, conc.	NR	NR	NR	NR	NR	NR
Nitropropane	S	I	I	I	R	OS
Oleic Acid	R	I	I	I	I*	R
Oxalic Acid	R	I	I	I		

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Palm Oil	I	I	I	I		
Perchloroethylene	S	S	I	I	I	NR
Phenol	NR	NR	OS	I	NR	NR
Phosphoric Acid – 30%	R*	I	I	I	I	
Phosphoric Acid – 50%	R*	I	I	I	I	
Phosphoric Acid – 85%	R*	I*	I	I	I	S
Picric Acid	R*	I*	I*	I*	I	I*
Pyridine	NR	NR	NR	I	NR	NR
Salt Brine	R	I	I	I	I	I
Silver Nitrate	I*	I*	I*	I*	R*	
Skydrol	R*	I	I	I	R	R
Sodium Chloride	I	I	I	I		
Sodium Hydroxide – 30%	I	I	I	I		
Sodium Hydroxide – 50%	I	I	I	I	I	I
Sodium Hypochlorite – 5%	I	I*	I	I		
Sodium Hypochlorite – 10%	I	I*	I	I		
Sodium Hypochlorite – 15%	R	R	I	I	I*	I*
Stearic Acid, conc.	I	I	I	I	I	I
Styrene	S	OS	S	I	S	NR
Sugars	R	I	I	I	I	I
Sulfuric Acid, conc.	I	I	I	I		
Sulfuric Acid – 10%	R	I	I	I	I	I
Sulfuric Acid – 50%	R*	I*	I*	I*	I	R
Sulfuric Acid – 80%	R*	I*	I	I	NR	
Sulfuric Acid – 98%	NR*	NR	I*	I*	NR	NR
Tannic Acid – 50%	I	I*	I	I		
Tartaric Acid, conc.	R	I	I	I		
Tetrachloroethylene	R	S	I	I	NR	OS
Tetrahydrofuran	NR	NR	NR	I	S	NR
Toluene	OS	OS	I	I	S	
1.1.1 Trichloroethane	I	I	I	I	NR	OS
Trichloroethylene	NR	NR	NR	I		
Trichlorofluoroethane	I	I	I	I	I	I
Tri Sodium Phosphate	I	I	I	I		
Urea	R	I	I	I	I*	I
Urine	R	I	I	I	I	I

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CHEMICAL RESISTANCE CHART

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Vinegar	S	I	I	I	I	
Water, Deionized	I	I	I	I		
Water, Distilled	I	I	I	I		
White Liquor	I	I	I	I		
Xylene	I	I	I	I	R	
Klenzade™ Cleaners						
AC-101	I	I	I	I	I	I
AC-101 dil 4oz/gal	I	I	I	I		
Enforce	I	I	I	I		
Enforce dil 4oz/gal	I	I	I	I		
Heavy Duty Acid LC-30	S	I	I	I		
Heavy Duty Acid LC-30 dil 4oz/gal	R	I	I	I		
Oxonia Active	OS*	S*	S*	R*	R*	NR
Oxonia Active dil 1oz/3 gal	R	I	I	I	I	I
Ultrasil 76	OS*	R*	R*	S*	I*	R
Ultrasil 76 dil 2oz/gal	I	I	I	I		
XY-12	I	I	I	I		
XY-12 dil 1oz/gal	I	I	I	I		
Note: Klenzade is a trademark of Ecolabs						

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