

R = Recommended (no change)

S = Splash & spill (slight change)

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Bold = Stains

Chemical Name	% Conc.	Epoxies					Urethanes								Acrylics
		Dur-A-Gard	Glaze #4	KF	Nov - olac	Ultra Clear	Armor Top	Glaze #5	Poly-Thane 1	Poly-Thane 2 HS	Poly-Crete HF MD TF	Poly-Crete CF	Poly-Crete KT	MMA	
Acetic Acid	10%	R	R	R	R	R		R	R	R	R	R	R	R	
Acetic Acid	30%	S	S	S	R	R		S	R	S	R		R	S	
Acetic Acid	50%	N	N	N	R	N		S	R	S	S		S	N	
Acetic Acid,3%, and Propionic Acid		R	R	R	R				R	R	R		R	R	
Acetone		N	N	N	N		R	S	R	R		R		N	
Acid Clean		S	S	S	R				S	S					
ACP-99 Ketone		N	N	N	S				R	R				N	
Alum	48%	N	N	N	R				S	S	S		S	R	
Aminoethanolamine		*R*	*R*	*R*	*R*				*R*	*R*	R		R	*R*	
Ammonia	30%	R	R	R	R	R	R		R	R	R	R	R	R	
Ammonium Hydroxide	30%	R	R	R	R			R	R	R	R	R	R	S	
Antifreeze		R	R	R	R	R	R	R	R	R	R	R	R	R	
Aromatic 100		S	S	S	R				R	R	S		S		
Aromatic hydrocarbons-Super Hiflash 100		S	S	S	R				R	R	S		S		
Benzene		N	N	N	S				R	R	N		N	N	
Benzyl Alcohol	Photo	S	S	S	R				R	R	S	S	S	N	
Betadine			*S*			*S*	*R*	*S*	*R*	*R*				*R*	
Boric Acid	4%	R	R	R	R				R	R	R		R	R	
Brake Fluid, DOT 3		S	S	S	S	S	R		R	R	S		S	R	
Butanol/Methyl Cellosolve		N	N	N	S				R	R	N		N	N	
Butyl Alcohol		S	S	S	R				R	R	S		S	N	
Butyl Carbitol		S	S	S	R				R	R				N	
Butyl Cellosolve		N	N	N	S				R	R				N	
Butyl Cellosolve acetate		N	N	N	S				R	R				N	
Carbon Tetrachloride		R	R	R	R				R	R				N	
Caustic Soda solution		R	R	R	R				R	R	R	R	R	R	
Chromic Acid	10%	*R*	*R*	*R*	*R*	*S*	*R*	*S*	*R*	*R*	*R*	*R*	*R*	*R*	
Chromic Acid	40%	*N*	*N*	*N*	*R*			*S*	*S*	*S*	*S*		*S*	*S*	
CIP 200 Cleaner		*N*							R						
Citric Acid	10%	R	R	R	R		R	R	R	R	R	R	R	R	
Citric Acid	20%	R	R	R	R			R	R	R	R	R	R	R	
Citric Acid	50%	N	N	N	R			S	R	R	R		R	R	
Clorox		R	R	R	R		R	S	R	R	R	R	R	R	
Coffee						*S*	*R*								
Cola	90C	*N*	*N*	*N*	*N*			*R*	*R*	*R*				*R*	
Cola	RT	S	S	S	R	S	R	R	R	R			R	R	
Copper Sulfate		*R*	*R*	*R*	*R*				*R*	*R*	*R*		*R*	*R*	
Cupric Chloride		*R*	*R*	*R*	*R*				*R*	*R*	*R*		*R*	*R*	
Cyclohexanone		S	S	S	R				R	R	S		S	R	
Detergent, heavy duty		R	R	R	R	R	R		R	R	R	R	R	R	
Diacetone alcohol		N	N	N	S				R	R				N	
Dimethyl ethanol amine		*R*	*R*	*R*	*R*				*R*	*R*					
Dimethylamineborane		*R*	*R*	*R*	*R*				*R*	*R*					
DMF		N	N	N	N				R	R	N		N		
Docosanic Acid (in ethanol)	2.50%	N	N	N	R				R	R	N		N		
Drano- (sodium hydroxide and aluminum)		S	S	S	R	S			R	R	R	R	R		
DuraPrep			*S*			*S*		*S*	*R*	*S*				*S*	
Eco-lab AC-3 Cleaner		*N*				N	*S*			*S*		N			
Eco-Lab Wash & Walk		R			R						R	R	R		
EEP solvent		N	N	N	S	N	R		R	R	N	S	N	N	
Ethanol	95%	N	N	N	S		R	S	R	R	S		S	S	
Ethyl Acetate	99%	N	N	N	S				R	R	S	S	S	S	
Excellerate Cleaner						R	R					R			
Fluoboric Acid		S	S	S	R				R	R					
Formaldehyde	37%	*S*	*S*	*S*	*R*		*R*	*R*	*R*	*R*	*R*	*R*	*R*	*R*	
Gasoline		R	R	R	R		R	R	R	R		R		R	
Glycol Ether		N	N	N	S				R	R		R		R	
Heating Oil-Home		R	R	R	R			R	R	R	R		R	R	
Hexane		N	N	N	S				R	R	R		R	R	
Hydraulic fluids		R	R	R	R			R	R	R	R	R	R	R	
Hydrochloric Acid	20%	*R*	*R*	*R*	*R*			*R*	*R*	*R*	*R*	*R*	*R*	*R*	
Hydrochloric Acid	37%	*R*	*R*	*R*	*R*		*R*	*S*	*R*	*R*	*R*	*R*	*R*	*R*	
Hydrofluoric Acid	40%	*N*	*N*	*N*	*S*				*R*	*S*		*R*		*R*	
Hydrofluosilic Acid	30%	R	R	R	R				R	R				R	
Hydrogen Peroxide	30%	S	S	S	R		R	S	R	R	R	R	R	R	
Hydrogen Peroxide	50%	N	N	N	R	S	S	N	R	R	R	R	R	R	
Iodine Tincture	2%	*R*	*R*	*R*	*R*		*R*		*R*	*R*	*R*		*R*	*R*	
Isopropanol		S	S	S	R		R	R	R	R	S		S	S	
Isopropyl Acetate	99%	S	S	S	R				R	R	S		S	N	
Jet Fuel		R	R	R	R		R	R	R	R	R		R	R	
Lactic Acid	88%	N	N	N	R	N	N	S	S	N	R	S	R	R	
Magnesium Hydroxide		R	R	R	R				R	R	R		R	R	
MEK		N	N	N	N				S	S	N	S	N	N	
Methacrylate Monomer		S	S		S			N	S		N		N	N	

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Methanol		N	N	N	N				R	R	N	S	N	N
Methyl Cellosolve		N	N	N	N				R	R		S		N
Methyl dipropasol solvent		N	N	N	R				R	R		S		N
Methylene chloride		N	N	N	N				S	N	N	S	N	N
MIBK		N	N	N	S		R		R	R	N		N	N
Mineral Oil		R	R	R	R		R	R	R	R	R		R	R
Mineral Spirits		S	S	S	R		R	R	R	R		R		R
Mixed Chlorinated Waste Solvents		N	N	N	S				R	R				N
Monoethanolamine		*R*	*R*	*R*	*R*				*R*	*R*				
Motor Oil		R	R	R	R		R	R	R	R	R		R	R
Mustard, yellow							*R*							
Nickel chloride		*R*	*R*	*R*	*R*				*R*	*R*				*R*
Nickel Sulfate		*R*	*R*	*R*	*R*				*R*	*R*				*R*
Nitric Acid	10%	*S*	*S*	*S*	*R*		*R*	*S*	*R*	*S*				*R*
Nitric Acid	20%	*S*	*S*	*S*	*R*		*S*	*N*	*R*	*R*	*R*	*R*	*R*	*R*
Nitric Acid	30%	*N*	*N*	*N*	*R*			*N*	*R*	*R*	*R*	*R*	*R*	*S*
Nitric Acid	40%	*N*	*N*	*N*	*R*			*N*	*S*		*S*	*R*	*S*	*N*
Oleic Acid		R	R	R	R				R	R				R
Oxalic Acid	10%	R	R	R	R				R	R				R
Peppermint Oil	100%	R	R	R	R			R	R	R				
Phenolic Paint stripper waste	1-5%	S	S	S	R			R	R	R				N
Phosphoric Acid	85%	*R*	*R*	*R*	*R*		*S*	*R*	*R*	*R*	*R*	*R*	*R*	*S*
Phosphorous Trichloride	100%	N	N	N	S				R	R				N
PM Solvent		N	N	N	S		R	S	R	R		S		N
Polyester Resin		S	S	S	R				R	R				S
Polyester resin in styrene		S	S	S	R				R	R				N
Polyphosphates		R	R	R	R				R	R	R		R	R
Potassium Cyanide		*R*	*R*	*R*	*R*				*R*	*R*				*R*
Potassium Hydroxide	45%	R	R	R	R	R	R	*S*	R	R	R	R	R	R
Potassium Permanganate	solid	*R*	*R*	*R*	*R*			*S*	*R*	*R*	*R*		*R*	*R*
Propionic Acid	100%	S	S	S	R				R	R				
Propyl Cellosolve		N	N	N	S			N	R	R	N		N	
Propylene Glycol		R	R	R	R		R	R	R	R	R	R	R	R
Propylene glycol ether		N	N	N	R		R		R	R	S		S	R
Red Wine Vinegar							*S*	R				S		
Silver Cyanide		*R*	*R*	*R*	*R*				*R*	*R*				
Silver Nitrate	20%	*R*	*R*	*R*	*R*				*R*	*R*	*R*		*R*	
Skydrol		S	S	S	R	S	R	S	R	R		R		R
Sodium Chlorite		R	R	R	R				R	R	R		R	R
Sodium Hydroxide	50%	R	R	R	R		R	R	R	R	R	R	R	R
Sodium Hypochlorite	15%	R	R	R	R				R	R	R	R	R	R
Sodium Hypochlorite	50%	N	N	N	R		R		R	R		R		R
Sodium Persulfate		*R*	*R*	*R*	*R*				*R*	*R*	*R*		*R*	*R*
Spearment Oil		*S*	S	S	R				R	R				
Spor-Klenz					*N*			*N*						*N*
Stoddard solvent		N	N	N	S				R	R	N		N	N
Styrene		N	N	N	S				R	R	N		N	N
Sulfuric Acid	10%	*R*	*R*	*R*	*R*	*R*	*S*	*R*	*R*	*S*	*R*	*R*	*R*	*R*
Sulfuric Acid	50%	*N*	*N*	*N*	*R*	N		*S*	*S*	*S*	*R*	*R*	*R*	*S*
Sulfuric Acid	75- 98%	*N*	*N*	*N*	*R*			*N*	*N*	*N*	*N*	*N*	*N*	*N*
Tannic Acid	20%	*R*	*R*	*R*	*R*				*R*	*R*	*R*		*R*	
Tartaric Acid	10%	R	R	R	R				R	R				R
Terpene Fraction of Spearmint Oil	100%	R	R	R	R				R	R				
Tetrahydrofuran														
Toluol		N	N	N	N				R	R		S		
Transmission Oil		R	R	R	R	S	R		R	R	R	R	R	R
Trichloroethane (1,1,1)		S	S	S	R				R	R				
Trichloroethylene		N	N	N	N				R	R	N	S	N	
Triethanolamine (TEA)		*S*	*S*	*S*	*R*				R	*S*	R		R	
Triethanolpentamine (TEPA)		*S*	*S*	*S*	*R*				R	*S*				
Triethanolitetramine (TETA)		*S*	*S*	*S*	*R*				R	*S*				
Urine		R	R	R	R			R	R	R	R		R	R
Vinegar		R	R	R	R			R	R	R	R		R	R
Water		R	R	R	R	R	R	R	R	R	R	R	R	R
Wine, cabernet sauvignon						*S*	*R*							
Xylene		S	S	S	R		R	S	R	R	S	S	S	N

All data is based on room temperature exposure. Please check with the Dur-A-Flex Technical Department for elevated constant temperature or thermal shock exposure

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