



# Chemical Resistance Data (For 73°F)

Materials Listed Alphabetically	Concentration	Weight %																								
			ABS	Acetal	Acrylic	CAB	CPVC	ECTFE (Halar)	Fluorosint TFE	HD-PE	Nylon, Gen'l Purpose	PEEK	PET	Polycarbonate	Polypropylene	Polysulfone	PPS	PVC Type 1	PVC Type 11	PVDF	TFE Fluorocarbon	Torlon	UHMW-PE			
Acetaldehyde Aq	40	D	A	D	*	D	*	A	C	B	A	A	*	C	*	A	D	D	*	A	A	A				
Acetal Acid Aq.	10	*	B	B	C	A	A	A	*	C	A	B	D	*	A	A	A	A	B	A	A	A				
Acetone		D	B	D	*	D	A	A	A	A	B	B	C	A	B	A	D	D	D	A	*	*				
Alcohols, Aliphatic		*	A	D	*	*	A	A	*	B	A	A	*	*	*	A	*	*	*	A	A	A				
Aluminum Chloride Aq.	10	*	*	*	A	A	*	A	B	*	A	A	A	*	A	A	A	*	A	A	A	A				
Aluminum Sulphate Aq.	10	*	*	*	A	A	A	A	A	*	A	*	A	A	*	A	A	A	*	A	A	A				
Ammonia Gas		*	*	*	*	A	A	A	A	C	A	A	*	A	*	*	A	A	*	A	*	*				
Ammonium Carbonate Aq.	10	*	*	*	*	A	A	A	A	A	A	A	D	A	*	A	A	A	*	A	*	*				
Ammonium Chloride Aq.	10	*	*	*	A	A	A	A	A	A	A	A	C	A	*	A	A	A	*	A	A	A				
Amyl Acetate		D	*	D	*	*	*	A	D	A	A	*	*	D	*	A	D	D	*	A	A	A				
Aniline		*	A	D	*	D	A	A	A	C	A	A	*	C	*	C	D	D	C	A	A	A				
Antimony Trichloride Aq.	10	*	*	A	*	A	A	A	A	C	A	*	*	A	*	*	A	A	*	A	*	*				
Barium Chloride Aq.	10	*	*	A	*	A	A	A	A	A	A	*	*	A	*	A	A	A	*	A	A	A				
Barium Sulphate Aq.	10	*	*	*	*	A	A	A	A	*	A	*	*	A	*	*	A	A	*	A	*	*				
Benzene		D	A	D	D	D	A	A	D	A	A	A	D	D	D	A	D	D	C	A	*	*				
Benzene Sulphonic Acid	10	*	*	*	*	*	A	A	A	D	A	*	*	*	*	A	*	*	B	A	C	C				
Bleaching Lye	10	C	*	*	*	A	A	A	B	C	A	*	*	B	*	*	A	A	*	A	A	A				
Boric Acid Aq.	10	*	*	*	*	A	A	A	A	A	A	A	*	A	*	A	A	A	*	A	*	*				
Boron Trifluoride		*	*	*	*	A	*	A	A	D	*	*	*	A	*	*	A	A	*	*	*	*				
Bromine Aq.	30	*	*	*	*	D	A	*	D	D	B	*	*	D	*	A	A	D	*	*	A	A				
Butanol		*	*	*	*	A	*	A	A	B	A	B	*	*	C	A	A	D	*	A	A	A				
Butyric Acid Aq.	20	*	*	C	*	*	*	A	D	B	A	*	*	D	*	A	*	*	*	A	*	*				
Butyric Acid	Coinc	D	*	D	*	*	*	A	D	C	A	*	*	D	*	A	A	D	*	A	*	*				
Calcium Hypochlorite		*	*	*	C	*	A	A	A	D	A	A	C	A	*	A	A	A	*	A	*	*				
Camphor		*	*	*	*	*	*	A	*	A	A	*	*	*	*	A	*	*	*	A	*	*				
Carbon Tetrachloride		D	A	*	C	C	A	A	D	A	A	A	*	D	A	A	C	D	A	A	A					
Chloral Hydrate		*	*	*	*	A	*	A	D	D	A	*	*	D	*	*	A	A	*	A	*	*				
Chloride Aq.	10	*	*	*	*	A	*	A	C	D	A	*	*	B	D	*	A	A	B	A	*	*				
Chloroform		D	*	*	D	D	A	A	C	D	A	D	D	D	D	A	D	D	B	A	A	A				
Chlorosulphonic Acid Aq.	10	*	*	D	*	*	A	A	D	D	A	*	*	C	*	D	C	C	D	A	*	*				
Chrome Alum Aq.	10	*	*	*	*	*	*	A	*	A	A	*	*	*	*	*	A	A	*	A	*	*				
Chromic Acid Aq.	10	*	*	D	A	A	A	A	A	C	A	A	C	A	D	A	A	D	B	A	A	A				
Citric Acid Aq.	10	B	*	C	B	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	*	*				
Creosote		*	*	*	*	*	*	A	*	A	A	*	*	*	*	*	*	*	*	A	*	*				
Cresylic Acid		*	*	*	*	A	A	A	D	D	A	*	*	D	*	*	A	C	*	A	*	*				

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		ABS	Acetal	Acrylic	CAB	CPVC	ECTFE (Hafiar)	Fluorosint TFE	HD-PE	Nylon, Gen'l Purpose	PEEK	PET	Polycarbonate	Polypropylene	Polysulfone	PPS	PVC Type 1	PVC Type 11	PVDF	TFE Fluorocarbon	Torlon	UHMW-PE
Cyclohexanol		*	*	*	*	D	A	A	D	B	A	A	*	D	*	A	D	D	*	A	A	A
Cyclohexanone		*	*	*	D	D	A	A	D	A	A	A	*	D	D	*	D	D	*	A	A	A
Detergents, Organic		*	*	*	*	A	A	A	*	A	A	A	*	*	*	A	A	A	*	A	*	A
Dibutylphthalate		*	*	*	*	*	*	A	*	A	A	*	*	*	*	*	*	*	*	A	A	A
Diesel Oil		*	*	A	*	*	A	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A
Dioxan		*	A	*	*	*	A	A	*	A	A	A	*	*	*	*	*	*	*	A	A	A
Edible Oils		*	A	*	*	*	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A	
Ether, Diethyl		*	A	*	*	*	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A	
Ethyl Acetate		D	A	D	*	*	A	A	C	A	A	*	D	A	*	A	D	D	*	A	A	A
Ethylene Dichloride		D	*	*	*	D	A	A	D	B	A	A	*	D	*	A	D	D	*	A	A	*
Ethylene Glycol Aq.	96	*	*	A	D	A	A	A	A	B	A	*	C	A	A	A	A	A	A	A	A	A
Ferrous Chloride Aq.	10	*	*	A	*	A	A	A	*	C	A	*	*	*	*	A	A	A	A	A	*	*
Fluorine		*	*	*	*	A	A	C	C	D	D	*	*	C	*	*	A	A	*	C	A	C
Fluosilicic Acid Aq.	10	*	*	*	A	*	A	*	A	D	*	*	*	A	*	A	*	*	*	*	*	A
Freon 12 (Arcton 12)		*	*	*	B	A	A	A	A	A	A	A	A	A	*	B	A	A	*	A	*	*
Formaldehyde Aq.	40	*	A	A	A	A	A	A	A	B	A	A	C	A	A	A	A	B	*	A	A	A
Formic Acid Aq.	3	*	D	D	*	A	A	A	*	C	B	B	A	*	*	A	A	A	A	A	D	A
Fruit Juices	COINCA	*	*	*	*	A	A	A	A	B	A	A	C	A	*	A	A	A	*	A	A	A
Glycerine		A	*	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	*	A	A	A
Heptane		*	A	*	*	*	A	A	*	A	A	A	C	*	A	A	A	A	*	A	A	A
Hydrobromic Acid Aq.	10	A	*	*	*	*	A	A	*	D	D	*	*	C	A	A	A	A	A	A	*	A
Hydrochloric Acid Aq.	0.4	*	*	A	B	A	A	A	A	*	A	A	A	A	A	A	A	A	A	A	*	A
Hydrofluoric Acid Aq.	4	*	D	C	C	*	A	A	B	C	D	B	B	A	B	D	A	A	A	*	A	A
Hydrogenated Veg. Oils		*	*	*	*	*	*	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A
Hydrogen Peroxide Aq.	0.5	*	*	*	A	*	A	A	A	C	A	A	A	A	A	A	A	A	B	A	*	A
	1	*	*	*	*	*	A	A	*	*	A	A	A	*	A	A	*	*	B	A	*	A
	3	*	D	*	*	*	A	A	*	D	A	A	A	*	A	A	*	*	B	A	*	A
Hydrogen Sulphide Aq.	SAT	*	C	A	A	A	A	A	A	B	A	C	*	A	*	A	A	A	A	A	*	A
Hydroquinone		*	*	*	B	*	A	A	A	B	A	*	*	A	*	*	A	A	*	A	*	*
Iodine (in Alcohol)		*	*	*	*	*	A	A	D	D	A	*	*	B	*	*	*	*	B	A	*	A
Iodine (in Pot. Iodine) Aq.	3	*	*	*	*	*	A	A	D	D	A	*	*	B	*	*	*	*	*	A	*	A
Isopropylalcohol		C	A	*	C	*	A	A	A	B	A	A	*	A	*	A	*	*	A	A	*	A
Lactic Acid Aq.	10	*	B	*	A	*	A	A	A	C	A	A	A	A	*	A	A	A	*	A	A	A
	90	*	*	*	*	*	A	A	*	*	A	*	*	*	*	A	*	*	*	A	A	A
Lead Acetate Aq.	10	*	*	*	*	A	A	A	A	B	A	*	*	A	*	A	A	A	*	A	*	A

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Linseed Oil		*	A	*	*	A	A	A	D	A	A	*	A	*	A	A	A	*	*	A	A	
Lubrication Oils (Petroleum)		*	A	*	*	A	*	A	C	A	A	A	B	C	*	A	A	A	*	A	A	A
Magnesium chloride Aq.	10	*	A	*	*	A	A	A	A	A	A	A	A	*	A	A	A	*	A	A	A	A
Maleics Acid	COINC*	*	*	*	*	A	A	A	A	*	A	*	*	*	A	A	*	*	A	*	A	A
Malonic Acid Aq.	COINC*	*	*	*	*	*	*	A	*	*	A	*	*	*	A	A	*	*	*	A	*	*
Mercuric Chloride Aq.	6	*	B	A	*	A	A	A	C	A	*	*	A	*	*	A	A	*	A	*	A	A
Methyl Acetate		*	B	*	D	*	*	A	*	A	A	*	*	*	A	*	*	*	A	*	*	*
Methyl Ethyl Ketone		D	B	D	D	D	A	A	D	A	A	A	D	D	D	A	D	D	*	A	A	A
Methyl Chloride		*	C	*	D	D	A	A	D	C	A	D	D	D	D	A	D	D	*	A	*	B
Milk		B	A	*	*	A	A	A	A	A	A	A	A	A	*	A	A	A	*	A	*	A
Mineral Oils		*	A	*	*	A	A	A	B	A	A	*	C	C	*	A	A	A	A	A	A	A
Naphthalene		D	*	*	*	D	A	A	B	A	A	A	*	B	*	A	D	D	C	A	*	A
Nickel Sulphate Aq.	10	*	*	A	*	A	A	A	A	A	A	*	A	A	*	A	A	A	*	A	*	A
Nitric Acid Aq.	0.1	B	D	A	D	A	A	A	A	C	A	*	A	A	A	*	A	A	A	A	*	A
Nitric Acid Aq.	10	*	D	*	*	A	A	A	*	D	A	C	*	*	A	A	A	A	B	A	*	A
Oleic Acid		*	C	*	A	*	A	A	A	A	A	*	C	B	A	A	A	A	*	A	*	A
Oxalic Acid Aq.	10	*	C	A	*	A	A	A	A	C	A	*	*	A	A	A	A	A	C	A	*	A
Ozone		*	C	*	B	A	A	A	D	C	A	A	D	C	A	*	A	A	B	A	*	B
Paraffin		*	A	*	*	*	A	A	*	A	A	A	*	*	*	A	A	*	*	A	A	A
Perchloric Acid Aq.	10	*	C	*	*	A	A	A	B	D	A	A	*	C	*	*	A	A	*	A	*	A
Petrol		*	A	*	*	*	A	A	A	A	A	A	*	*	*	A	*	*	*	A	A	A
Phenol Aq.	75	*	D	*	*	*	A	A	*	D	D	C	*	*	*	*	*	*	*	A	*	A
Phosphoric Acid Aq.	0.3	*	*	A	A	A	A	A	A	*	A	A	C	A	A	A	A	A	A	A	A	A
Phosphoric Acid Aq.	3	*	C	*	*	A	A	A	*	*	A	A	*	*	A	A	A	A	A	A	A	A
Phosphoric Acid Aq.	10	*	C	*	*	A	A	A	*	D	A	B	*	*	A	A	A	A	A	A	A	A
Phthalic Acid Aq.	SAT	*	*	*	*	*	*	A	*	B	A	*	*	*	*	*	*	*	B	A	*	A
Potassium Bicarb. Aq.	60	*	*	*	*	A	*	A	D	D	A	*	*	D	*	*	A	A	*	A	*	*
Potassium Chloride Aq.	10	*	*	*	*	A	*	A	A	A	A	A	*	A	*	A	A	A	*	A	*	A
Potassium Ferrocyanide Aq.90	A	*	A	A	A	A	A	A	A	A	A	A	A	*	A	A	A	*	A	*	A	A
Propane Gas	30	*	*	A	*	A	A	A	*	A	A	*	*	*	*	*	A	A	*	A	*	*
Salicylic Acid		*	*	*	A	A	A	A	D	A	B	A	*	C	*	A	A	A	*	A	*	A
Silicone Fluids		*	*	*	*	*	A	A	*	A	A	A	*	*	*	*	*	*	*	A	*	*
Silver Nitrate		D	*	*	*	*	A	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A
Soap Solutions		*	A	*	A	A	A	A	A	A	A	A	*	A	*	A	A	A	*	A	*	A
Sodium Acetate Aq.		B	A	*	*	A	A	A	A	A	A	A	*	A	*	A	A	A	*	A	*	A

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Sodium Bicarbonate Aq.	50	*	A	A	A	A	A	A	A	A	A	A	A	B	*	A	A	A	*	A	A	A
Sodium Hypochlorite 15% Cl (Chlorine Bleach)		*	C	A	*	*	A	A	A	D	A	A	A	A	A	B	A	A	*	A	A	A
Sodium Nitrate Aq.	50	*	A	A	*	A	A	A	A	A	A	*	A	*	A	A	A	*	A	*	A	A
Stannic Chloride Aq.	10	*	*	*	*	*	*	A	A	C	A	*	*	A	*	A	*	*	*	A	*	*
Stearic Acid		*	*	*	*	A	A	A	A	a	A	*	*	A	*	*	A	A	*	A	*	A
Styrene (Monomer)		*	*	*	D	*	A	A	*	A	A	C	*	*	*	A	*	*	*	A	*	*
Sulphur Dioxide (Dry Gas)	100	D	B	A	C	A	A	A	A	B	A	B	*	A	*	A	A	A	B	A	A	A
Sulphuric Acid Aq.	2	B	D	D	*	A	A	A	A	C	A	A	A	A	A	A	A	A	B	A	A	A
	5	*	D	*	*	*	A	A	*	D	A	A	*	*	A	A	A	A	B	A	A	A
Sulphurous Acid Aq.	10	*	C	A	*	A	A	A	A	C	A	C	*	A	*	*	A	A	*	A	*	A
Tallow		*	*	*	*	*	*	A	A	A	A	*	*	*	*	A	*	*	*	A	A	A
Tar		*	*	*	*	*	A	A	*	B	A	*	*	*	*	A	*	*	*	A	A	*
Toluene		D	A	*	D	D	*	A	D	A	A	A	D	D	D	A	D	D	B	A	A	B
Transformer Oil		*	*	D	*	*	A	A	*	A	A	*	*	*	*	A	*	*	*	A	A	A
Trichlorethylene		*	B	*	D	D	A	A	D	B	A	B	*	D	D	A	D	D	*	A	A	B
Triethanolamine		*	*	*	*	*	A	A	A	A	A	B	*	A	*	A	A	A	*	A	D	A
Turpentine		D	A	*	*	A	A	A	D	A	A	*	D	D	B	A	A	C	*	A	A	A
Trisodium Phosphate Aq.	95	*	*	A	*	A	A	A	A	*	A	A	*	A	*	A	A	A	*	A	*	*
Urea		*	A	*	*	A	A	A	A	A	A	A	*	A	*	A	A	A	*	A	*	A
Vaseline		B	A	*	*	A	A	A	A	A	A	A	*	*	A	A	A	A	*	A	A	A
Vegetable Oil		C	A	*	*	*	A	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A
Vinegar		A	B	*	*	A	A	A	A	C	A	A	*	A	*	A	A	A	*	A	A	A
Vinyl Chloride		*	*	*	*	*	*	A	*	A	A	*	*	*	*	A	*	*	*	A	*	*
Water		A	A	*	*	A	A	A	A	A	A	A	A	A	A	A	A	A	*	A	A	A
Wax (Molten)		C	A	*	*	*	A	A	*	A	A	A	*	*	A	A	*	*	*	A	A	A
White Spirit		*	A	*	*	A	A	A	*	A	A	*	*	*	*	A	*	*	*	A	*	A
Wines and Spirits		B	*	*	*	A	A	A	*	B	A	A	A	*	*	A	A	A	*	A	A	A
Xylene		D	*	D	D	D	A	A	D	D	A	A	*	D	D	A	D	D	*	A	A	B
Xylenol		*	*	*	*	*	A	A	*	D	A	*	*	*	*	*	*	*	*	A	A	*
Zinc Chloride Aq.	10	*	*	A	A	*	A	A	A	C	A	*	C	A	A	A	A	A	*	A	*	A

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