



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	UHMWPE
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	*	*	*
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	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	*	*	*
Creosote		*	*	*	*	*	*	A	*	A	A	*	*	*	*	*	*	*	*	A	*	*
Cresylic Acid		*	*	*	*	A	A	A	D	D	A	*	*	D	*	*	A	C	*	A	*	*

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		Cyclohexanol	*	*	*	*	D	A	A	D	B	A	A	*	D	*	A	D	D	*	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	B	A	*	C	A	A	A	A	A	A	A	A	A	
Ferrous Chloride Aq.	10	*	*	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	B	A	A	C	A	A	A	A	B	*	A	A	A	
Formic Acid Aq.	3	*	D	D	*	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	
Hydrofluoric Acid Aq.	4	*	D	C	C	*	A	A	B	C	D	B	B	A	B	D	A	A	*	A	A	
Hydrogenated Veg. Oils	*	*	*	*	*	*	A	*	A	A	A	*	*	*	A	*	*	*	A	A	A	
Hydrogen Peroxide Aq.	0.5	*	*	*	A	*	A	A	C	A	A	A	A	A	A	A	A	B	A	*	A	
	1	*	*	*	*	*	A	A	*	*	A	A	*	A	A	*	*	B	A	*	A	
	3	*	D	*	*	*	A	A	*	D	A	A	*	A	A	*	*	B	A	*	A	
Hydrogen Sulphide Aq.	SAT	*	C	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	C	A	A	A	A	*	A	A	A	*	A	A	A	
	90	*	*	*	*	*	A	A	*	*	A	*	*	*	*	A	*	*	*	A	A	
Lead Acetate Aq.	10	*	*	*	*	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	
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	
Methyl Acetate	*	B	*	D	*	*	A	*	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	
Nitric Acid Aq.	0.1	B	D	A	D	A	A	A	C	A	*	A	A	A	*	A	A	A	A	*	A	
Nitric Acid Aq.	10	*	D	*	*	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	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	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	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	
Phosphoric Acid Aq.	10	*	C	*	*	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	
Potassium Ferrocyanide Aq.	90	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	*	*	
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	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	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	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	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

A - No attack, possibly slight absorption. Negligible effect on mechanical properties.
 B - Slight attack by absorption. Some swelling and a small reduction in mechanical properties likely.
 C - Moderate attack of appreciable absorption. Material will have limited life.
 D - Material will decompose or dissolve in a short time.
 * No data available