

Chemical Resistance Table

Behaviour of National Polystyrene EPS- at 20°C

Resistant	Resistant	Limited Resistance	Non-Resistant	Non-Resistant
Acetic acid 50%	Lime	Animals oils and fats	Acetic acid 100% (glacial)	Hexane
Acetonyl alcohol	Lime water	Chlorine water	Acetic anhydride	Light gasoline/petrol
Adhesive, water-soluble	Mercury	Cod liver oil	Acetone	Methyl chloride
Allyl alcohol	Methane, gas	Lanolin	Acetonitrile	Methyl ethyl ketone
Aluminum acetate solution	Methanol	Linseed oil	Acrylonitrile	Methyl isobutyl ketone
Ammonia (aqueous)	Milk	Nitric acid conc.	Amyl acetate	Methyl isopropyl ketone
Amyl alcohol	Natural gas	Olive oil	Aniline	Methyl propyl ketone
Anhydrite	Nitric acid 30%	Paraffin oil	Benzene	Methylene chloride
Bitumen, solvent-free (air-blown)	Nitrogen	Phenol	Benzyl alcohol	Monochlorobenzene
Bleach liquor (12% chlorine)	Noble gases		Bromine, liquid	Naphthalene (vapour)
Borax solution	water-soluble		Butadiene	Pentane
Boric acid solution	Peanut oil		Butane	(tetrachloroethylene)
Butanol	Phosphoric acid 87% (caustic potash solution)		Butyl acetate	Petrol, super grade
n-Butyl alcohol			Carbon tetrachloride	Petroleum
Calcium hypochlorite solution	Propane, gas		Difluorodichloromethane	Petroleum ether
Carbon dioxide, solid	i-Propyl alcohol		Difluoromonochloromethane	Propane liquid
Carbon monoxide	n-Propyl alcohol		Monofluorotrichloromethane	Propylene
Carbonic acid	Propylene glycol		Trifluorotrichloroethane	Propylene Chloride
Caustic soda solution	Sand		Tetrafluorodichloroethane	Pyridine
Cement	Seawater		Chloroform	Special boiling point spirits
Citric acid	Silicone oil		Cyclohexane	Styrene
Common salt	Soda solution		Cyclohexanone	Sulphur dioxide
Cottonseed oil	Sodium carbonate		Decahydronaphthalene	Tetrachloroethane
Cyclohexanol	Sodium carbonate solution		Diesel fuel, heating oil	Tetrahydrofuran
Diethylene glycol	Sodium chloride solution		Diethyl ether	Tetrahydronaphthalene
Ethane, gas	Sodium chromate solution		Diethyl ketone	Toluene
Ethanol	Sodium hydrosulphite		Dimethylformamide	Trichlorobenzene
Ethylene glycol	Sodium hypochlorite solution		1,4-Dioxane	Trichloroethane
Fertilizer salts	Sodium hypochlorite solution		Dwarf pine oil	Trichloroethylene
Formaldehyde 30%	Sodium phosphate solution (dibasic)		Ether (diethyl ether)	Trichlorophenol
Formic acid	Sodium phosphate solution (tribasic)		Ethyl acetate	Tricresyl phosphate
Glycerol	Sodium sulphite solution		Ethyl benzene	Triethylamine
Glycols	Sugar solution 30%		Ethylene oxide	Triglycol acetate
Gypsum	Sulphuric acid 50%		Glycol ether	Turpentine
Heptyl alcohol	Sulphuric acid up to 95%		Heavy gasoline/petrol	Vaseline
Humic acid	Tartaric acid solution		Heptane	White spirit
Hydrochloric acid up to 35%	Vegetable oils and fats		Hexachlorocyclohexane	Xylene

Hydrofluoric acid 40%	Vinegar, table			
Hydrogen peroxide 3%	Water			
Isobutanol	Water paints			
Isopropanol	Water glass			
Lactic acid	Wax (bleached)			