

Bencore Chemical Resistance

ATTACHMENT 2: TABLE OF SURFACES CHEMICAL RESISTANCE

STARLIGHT - PLUS - CLASS AND LIGHTBEN - PLUS PANELS

Acetic Acid, 40% aq	1	Chromic Acid, Plating Soln	4	Furfuryl Alcohol	4
Acetic Acid, glacial	3	Citric Acid	1	Geraniol	2
Acetic Anhydride	4	Citronellol	2	Glycerine	1
Acetone	4	Cupric Sulphate, solid	1	Glycol	1
Aluminium Sulphide, solid	1	Cyclohexane	1	Hydrobromic Acid, 50% aq	1
Ammonia, 10% aq	4	Cyclohexanone	4	Hydrochloric Acid, 10% aq	2
Ammonia, 0.88 SG aq	4	Cyclohexanol	2	Hydrofluoric Acid, 50% aq	3
Ammonium Chloride, solid	2	Diacetone Alcohol	1	Hydrofluoric Acid, 50% conc	4
Amyl Acetate	3	Di-alkyl Phthalate	1	Hydrogen Peroxide	1
Amyl Alcohol	4	Di-butyl Phthalate	1	Hydroquinone, solid	1
Amyl Methyl Ketone, solid	1	Di-non Phthalate	2	Isopropyl Alcohol	1
Barium Chloride, solid	1	Di-octyl Phthalate	1	Lanoline	1
Benzene, solid	4	Dimethyl Formamide	4	Linalol	2
Benzoic Acid	1	Dioxane	4	Linseed Oil	2
Benzyl Acetate	4	Dipentene	2	Lubricating Grease	1
Benzyl Benzoate	3	Di-1-phenyl Ethanol	3	Magnesium Chloride, aq sol	2
Butyl Acetate	4	Ethyl Acetate	4	Maleic Acid, 25% aq	2
Butyl Alcohol	1	Ethyl Alcohol	1	Maleic Acid, 50% aq	2
Butyl Lactate	2	Ethyl Benzene	3	Mercuric Chloride, solid	2
Butyl Stearate	1	Ethyl Digol	1	Mercury	1
Calcium Hypochloride, solid	2	Ethylene Chlorohydrin	4	Methyl Alcohol	1
Camphor, solid	1	Ethylene Dibromate	4	Methyl Cyclohexanol	1
Camphorated oil	2	Ethylene Dichlorate	4	Methyl Ethyl Ketone	4
Carbon Tetrachloride	2	Eugenol	4	Methyl Methacrylate	3
Castor Oil	1	2-Ethoxy Ethanol	2	Methyl Salicylate	4
Cetyl Alcohol, solid	1	Ferric Nitrate, solid	1	Methylene Chloride	4
Chloral Hydrate, solid	4	Formaldehyde, 40% W/W aq	1	Mineral Oil	1
Chlorobenzene	4	Formic Acid, 3% aq	2	2-Methoxy Ethanol	3
Chloroform	4	Formic Acid, 30% aq	2	Naptha, crude	1

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Naptha, solvent	2	Sodium Hydroxide, 10% aq	4
Nitric Acid, 10% aq	2	Sodium Nitrate, solid	2
Oil	1	Sodium Phosphate, solid	1
Olive Oil	2	Sodium Sulphite, solid	2
Oxalic Acid, solid	1	Sodium Thiosulphate, solid	1
Oxalic Acid, solution	2	Stearic Acid, solid	2
n-Octane	1	Sulphur, solid	1
Paraffin (medicinal)	1	Sulphuric Acid, 3% aq	2
Paraffin Oil	1	Sulphuric Acid, 30% aq	2
Petrol	2	Tartaric Acid, solid	2
Petroleum Ether	1	Tetrahydrofuran	4
Phenol	4	Tetralin	1
Pinen	2	Toluene	2
Potassium Bromide, solid	1	Transformer Oil	2
Potassium Chromate, solid	1	Trichloroethylene Phosphate	1
Potassium Cyanide, solid	1	Trichloroacetic Acid	4
Potassium Hydroxide, 1% aq	4	Trichloroethylene	4
Potassium Hydroxide, 10% aq	4	Trietholamine	4
Potassium Permanganate, sol	3	Vinegar	2
Propionic Acid	4	Xylene	2
Propyl Alcohol	1	Zinc Chloride	2
Propylene Glycol	1		
Salicylic Acid, solid	1		
Sodium Bicarbonate, solid	1		
Sodium Borate, solid	1		
Sodium Bromide, solid	1		
Sodium Carbonate, anhydrous	1		
Sodium Carbonate, 2.5% aq	1		
Sodium Chloride, 1% aq	1		
Sodium Chloride, 10% aq	2		
Sodium Cyanide, solid	1		
Sodium Hydroxide, 1% aq	4		

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ACIDS

Product	%	Reaction	Product	%	Reaction
Acetic Acid	10	LA	Lactic Acid	20	NA
Acetic Acid	100	SA	Nitric Acid	10	-
Butyric Acid	Concentrate	SA	Nitric Acid	Concentrate	-
Chromatic Acid	10	-	Oxalic Acid	Saturated	NA
Chromatic Acid	Saturated	SA	Paracetic Acid	-	SA
Citric Acid	Saturated	NA	Phosphoric Acid	10	NA
Formic Acid	10	NA	Phosphoric Acid	95	SA
Formic Acid	90	SA	Sulphuric Acid	10	NA
Hydrochloric Acid	10	NA	Sulphuric Acid	30	LA
Hydrofluoric Acid	Concentrate	-	Sulphuric Acid	90	SA
Hydrofluoric Acid	-	SA	Tartaric Acid	Saturated	NA

ALCOHOLS

Product	%	Reaction	Product	%	Reaction
Amyl Alcohols	Pure	SA	Methyl Alcohol	10	NA
Benzyl Alcohol	Pure	SA	Methyl Alcohol	50	LA
Butyl Alcohol	Pure	SA	Methyl Alcohol	Pure	SA
Ethyl Alcohol	30	SA	Propyl Alcohol	10	LA
Ethyl Alcohol	Pure	SA	Propyl Alcohol	50	SA
Ethyl Alcohol	10	NA			

BASES

Product	%	Reaction	Product	%	Reaction
Caustic Potash	10	LA	Caustic Soda	50	SA
Caustic Potash	50	SA	Sodium Bicarbonate	Saturated	NA
Caustic Soda	10	LA			

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GASES

Product	%	Reaction	Product	%	Reaction
Acetylene	-	NA	Ozone	-	NA
Butane	-	NA	Propane	-	NA
Carbonic Gases	-	NA	Sulphur Dioxide	-	NA
Hydrogen	-	NA	Sulphuric Anhydri	-	SA
Oxygen	-	NA			

OILS AND GREASY PRODUCTS

Product	%	Reaction	Product	%	Reaction
Butyl Stearate	-	-	Mineral Oils	-	NA
Coconut Oil	-	LA	Paraffin	-	NA
Lanoline	-	NA	Sodium Oleate	-	LA
Lockeed Oil	-	SA			

FOOD PRODUCTS

Product	%	Reaction	Product	%	Reaction
Fruit Juices	-	NA	Vinegar	-	NA
Milk		NA	Wine	-	NA
Olive Oil		NA			

PHENOLS

Product	%	Reaction	Product	%	Reaction
Cresol	-	SA	Phenol	-	SA
Metacresol	-	SA			

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DISINFECTANTS AND CLEANING AGENTS

Product	%	Reaction	Product	%	Reaction
Ammonia Solution	Density 0.88	NA	Hydrogen Peroxide	40 volumes	NA
Ammonium Solution	Concentrate	SA	Hydrogen Peroxide	90 volumes	SA
Bleach	10° Chlorine	NA	Mercurochrome	-	NA
Bleach	48° Chlorine	SA	Tincture of Iodine	-	SA
Formaldehyde	40	NA			

MINERAL SALTS IN SOLUTION

Product	%	Reaction	Product	%	Reaction
Alum Solution	Saturated	NA	Mercuric	10	SA
Ammonium Chloride	Saturated	NA	Potassium Birchromate	10	NA
Ammonium Nitrate	-	NA	Potassium Chloride	Saturated	NA
Calcium Chloride	Saturated	NA	Potassium Iodide	-	NA
Calcium Hypochloride	-	NA	Potassium Permanganate	10	NA
Chlorine Water	2	LA	Sea Water	-	NA
Copper Sulphate	-	SA	Sodium Bichromate	10	NA
Ferric Chloride	10	NA	Sodium Bisulphate	10	NA
Iron Perchloride	-	SA	Sodium Chloride	-	NA
Iron Sulphate	-	NA	Sodium Metaphosphate	-	NA

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SOLVENTS & MISCELLANEOUS

Product	%	Reaction	Product	%	Reaction
Acetal Dehyde	100	SA	Ethylene Glycol	-	NA
Acetic Anhydride	-	LA	Ethylene Sulphate	-	SA
Acetone	-	SA	Freon	-	SA
Aniline	-	SA	Gasoil	-	LA
Benzene	-	SA	Glycerine	-	NA
Benzaldehyde	-	SA	Mercury	-	NA
Butyl Acetate	-	SA	Methylene Chloride	-	SA
Butyl Phthalate	-	LA	Mathtlethylketone	-	SA
Carbon Disulphide	-	SA	Naphtalene	-	LA
Chloroform	-	SA	Nonyl Phthalate	-	LA
Cyclohexane	-	SA	Petrol Standard	-	LA
Dichloroethane	-	SA	Petrol Super 100 Oct	-	SA
Diethyl Chloride	-	SA	Pyraline	-	SA
Diethylene Glycol	-	NA	Turpentine	-	NA
Diocyl Phthalate	-	LA	Toluene	-	SA
Dioxane	-	NA	Trichlorethane	-	SA
Ethylamine	-	SA	Trichlorethylene	-	SA
Ethyl Acetate	-	SA	Tricresyl Phosphate	-	SA
Ethyl Chloride	-	SA	Xylene	-	SA
Ethyl Ether	-	SA	White Spirit (<3% Aromatics)	-	NA

Key

NA = No Attack

LA = Limited Attack

SA = Severe Attack