



Chemical Resistance

Limpetite has very good general chemical resistance exemplified by the following tables which are given as a guide only. For non-immersion conditions higher limits might be attainable.

ACIDS	CONCENTRATION %	SERVICE TEMPERATURE °C
Arsenic	100	93
Boric	100	93
Citric	10	29
Flouboric	40	66
Formic	10	29
Hydrochloric	20	93

BASES	CONCENTRATION %	SERVICE TEMPERATURE °C
Ammonium Hydroxide	Solid	38

SALTS	CONCENTRATION %	SERVICE TEMPERATURE °C
Aluminium Nitrate	100	93
Barium Chloride	100	66
Cadmium Cyanide	100	66
Copper Sulphate	100	93
Sodium Sulphate	100	93

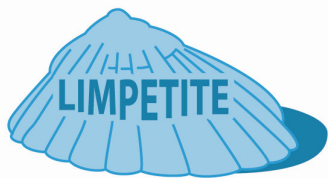
COMMERCIAL FLUIDS	CONCENTRATION %	SERVICE TEMPERATURE °C
Amyl Alcohol		27
Butyl Alcohol		29
Ethylene Glycol		70
Water		70



Chemicals having little or no adverse effect upon Limpetite 'A3'

Conditions: Saturated Solutions at ambient temperature unless otherwise stated

Acetic Acid - 30%	Heptane
Acetic Anhydride	Hexane
Aluminium Chloride	Hydrobromic Acid - 40%
Aluminium Fluoride	Hydrochloric Acid - Conc
Aluminium Sulphate (66°C)	Hydrocyanic Acid
Alum	Hydrofluoric Acid - 48%
Ammonia (Anhydrous)	Hydrogen
Ammonia (Gas)	Hydrogen Sulphide
Ammonium Chloride	Isododecane
Ammonium Hydroxide (70°C)	Isoctane
Ammonium Nitrate	Isopropyl Alcohol
Ammonium Phosphate	Lactic Acid
Ammonium Sulphate (70°C)	Lard
Amyl Alcohol (70°C)	Lead Sulphamate
Barium Chloride	Linseed Oil
Barium Hydroxide (70°C)	Magnesium Chloride (70°C)
Barium Sulphide	Magnesium Hydroxide (70°C)
Beer	Magnesium Sulphate
Beet Sugar Liquors	Mercuric Chloride
Black Sulphate Liquor	Mercury
Blast Furnace Gas	Methyl Alcohol
Borax (158°F)	Methyl Oxitol
Boric Acid - (70°C)	Milk
Butane	Mineral Oil
Butter	Natural Gas
Butyl Alcohol	Nickel Chloride
Calcium Bisulphite (70°C)	Nickel Sulphate
Calcium Chloride	Nitric Acid - 10
Calcium Hydroxide (70°C)	Olive Oil
Calache Liquor	Oxalic Acid
Cane Sugar	Oxygen
Carbon Dioxide	Phosphoric Acid - 85
Carbon Monoxide	Picric Acid
Castor Oil (70°C)	Potassium Chloride
Chloroacetic Acid	Potassium Cyanide
Citric Acid	Potassium Dichromate
Cod Liver Oil	Potassium Hydroxide (70°C)
Coke Oven Gas	Potassium Sulphate
Copper Chloride	Produce Gas
Copper Sulphate	Propyl Alcohol
Corn Oil	Sewage
Cottonseed Oil	Soap Solutions
Diacetone Alcohol	Sodium Hydroxide - 50%
Ethanolamine	Sodium Peroxide
Ethyl Alcohol (70°C)	Sodium Salts
Ethyl Cellulose	Soybean Oil
Ethylene Glycol (70°C)	Stannic Chloride
Ferric Chloride - 60%	Stannous Chloride - 15% (70°C)
Ferric Nitrate	Sulphur
Ferric Sulphate	Sulphur Dioxide - Liquid
Fluoboric Acid	Sulphuric Acid - up to 50% (70°C)
Fluosilicic Acid (70°C)	Tannic Acid - 10%
Formaldehyde - 40%	Tar
Formic Acid	Tartaric Acid (70°C)
"Freon 12"	Triethanolamine (158°F)
Fuel Oil	Tung Oil
Gelatin	Vinegar
Glucose	Water
Glue (70°C)	Whiskey
Glycerin (70°C)	Wines
	Zinc Sulphate
	Zinc Chloride
	Zinc Sulphate



Chemical having a MINOR to MODERATE effect on Limpetite A3 <u>Conditions:</u> Saturated Solutions at ambient temperature unless otherwise stated.	Chemicals having a SEVERE effect on Limpetite A3 <u>Conditions:</u> Saturated Solutions at ambient temperature unless otherwise stated.
Acetic Acid - Glacial Acetone Acetylene Aniline Dyes Asphalt Butadiene Butyraldehyde Benzy Alcohol Chlorine - Dry Chloroacetone Cresol Ethyl Chloride Furfural Gasoline Grease Hydrogen Peroxide - 88.5% Iodine Kerosene Lubricating Oils Nitric Acid - 10% to 30% Oleic Acid Palmitic Acid (158°F) Petroleum Oils Pickling Solution (20. Nitric + 4% Hydrofluoric Acid) Propane Sodium Hypochlorite - 20% Stearic Acid (158°F) Sulphuric Acid - 50% to 80%	Amyl Acetate Aniline Oil Benzaldehyde Benzene Benzoyl Chloride Bromine Butyl Acetate Calcium Hyposchlorite - 20% Carbon Disulphide Carbon Tetrachloride Chlorinated Solvents Chlorine Gas - wet Chlorine Dioxide Chloroform Chlorosulphonic Acid Chromic Acid Cresote Oil Cyclohexane Decalin Dibenzyl Ether Dibutyl Ether Diethyl Sebacate Dioctyl Phthalate Ethers Ethyl Acetate Ethyl Benzene Ethylene Dichloride Formaldehyde - 40% (70°C) Methylene Chloride Naphtha Naphthalene Nitric Acid - 30% to 70% Nitrobenzene Oleum Pickling Solution (20% Nitric Acid = 4% Hydrofluoric Acid) (70°C) Pine Oil Sodium Hydroxide - 73% Sulphuric Acid - 93% Sulphur Trioxide Toluene Tributyl Phosphate Trichloroethylene Turpentine Xylene