CHEMICAL RESISTANCE CHART

LIABILITY DISCLAIMER

Important Note: The following complimentary list can be used only as a limited guide to aid in your selection of pump and seal types. We make no guarantee as to its correctness, accuracy or completeness. Also, field results can often differ from laboratory results due to a variety of contaminants and variations. The best compatibility information is obtained by subjecting test samples to actual operating conditions. The choice of product or products and their intended area of method of use is the sole responsibility of the user.

SYMBOL DEFINITIONS:

A = GOOD CHEMICAL RESISTANCE

C = POOR CHEMICAL RESISTANCE

B = QUESTIONABLE (Check with manufacturer)

D = RESULTS UNDETERMINED

N/R = NOT RECOMMENDED

NORYL POLYPROPYLENE STAIM: T	BUNA-N			
NORYL POLYPR	BUNA-N	VITON	EDPM	

CHEMICAL

ACETIC ACID 95-100% ACETIC ACID (glacial 70 ° F)

ACETIC ANHYDRIDE (100% boiling)

ACETONE 100%

ALCOHOL, BUTYL

ALCOHOL, ETHYL

ALCOHOL 2-AMINOETHANOL

ALUMINUM CHLORIDE (10% ambient/boiling)

ALUMINUM FLUORIDE

Α	Α	AB	С	С	Α
Α	Α	В	С	С	Α
С	С	AC	С	С	Α
С	Α	Α	С	С	Α
Α	Α	Α	Α	Α	Α
Α	Α	В	Α	Α	Α
Α	Α	Α	-	-	-
A	Α	С	A	A	A
Α	Α	С	Α	Α	Α





ALUMINUM POTASSIUM SULFATE 10%

ALUMINUM SULFATE 100%

AMINES

AMMONIA AQUEOUS (wet)

AMMONIUM CARBONATE

AMMONIUM CHLORIDE 10% saturated

AMMONIUM FLUORIDE

AMMONIUM HYDROXIDE (concentrated)

AMMONIUM NITRATE (saturated)

AMMONIUM PERSULFATE 5%

AMMONIUM PHOSPHATE DIBASIC 5%

AMMONIUM SULFATE

AMYL CHLORIDE

ANILINE 100%

ANTIMONY TRICHLORIDE 100%

AQUA REGIA

ARSENIC ACID

BARIUM CARBONATE

BARIUM CHLORIDE (saturated)

BARIUM CHLORIDE 30%

BARIUM CHLORIDE 5%

BARIUM HYDROXIDE

BARIUM SULFATE

BARIUM SULFIDE

BEER 160°

BENZALDEHYDE 100%

BENZENE 100% (70°F)

BENZENE SULFONIC ACID 100%

BENZOIC ACID 10%

BENZYL ALCOHOL

BORAX (hot)

BORIC ACID 5% (hot)

BORIC ACID 10% (70°F)

BROMINE MOIST GAS

BUTYRIC ACID (hot/concentrated)

BUTYRIC ACID (dilute 5%)

BUTYL ACETATE 100%

CALCIUM BISULFITE (hot)

CALCIUM CARBONATE

CALCIUM CHLORIDE (saturated)

CALCIUM HYDROXIDE 10% boiling

CALCIUM HYPOCHLORITE 100%

CALCIUM NITRATE

CALCIUM SULFATE

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CARBON BISULFIDE

CARBON TETRACHLORIDE (wet)

CARBONIC ACID (saturated)

CAUSTIC POTASH

CAUSTIC SODA

CHLORIC ACID

CHLORINATED WATER

CHLORINE MOIST

CHLOROBENZENE (dry)

CHLOROFORM

CHLOROSULFONIC ACID

CHROMIC ACID (dilute)

CHROMIC ACID (conc.)

CITRIC ACID (hot)

CITRIC ACID (dilute 15%)

COPPER CYANIDE (saturated)

COPPER FLUORIDE

COPPER NITRATE

COPPER SULFATE

COTTONSEED OIL

CRUDE OIL

CUPRIC CHLORIDE 5%

CYCLOHEXANE

CYCLOHEXANOL

DETERGENTS (general)

DIBUTYLPHTHALATE

DICHLORODIFLUORO METHANE (Freon 12)

DICHLOROETHYLENE

DIESEL FUEL

DIETHANOLAMINE

DIETHYLENE GLYCOL

DIMETHYL FORMAMIDE

DIMETHYL SULFOXIDE

DIOCTYL PHTHALATE

ETHANOLAMINE

ETHYL ACETATE

ETHYL CHLORIDE (wet)

ETHYLENE DICHLORIDE

ETHYLENE GLYCOL

ETHYLENE OXIDE

FATTY ACIDS

FERRIC CHLORIDE (concentrated)

FERRIC CHLORIDE 1%

FERRIC NITRATE 5%

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FERRIC SULFATE 5%

FERROUS CHLORIDE

FERROUS SULFATE 10%

FLUOBORIC ACID

FLUOSILIC ACID

FORMALDEHYDE 37%

FORMIC ACID

FREON (wet)

FUEL OILS

FURFURAL

GASOLINE, LEADED

GASOLINE, UNLEADED

GELATIN

GLUCOSE

GLYCERINE

GLYCOL

HEPTANE

HEXANE

HYDROBROMIC ACID 37%

HYDROCHLORIC ACID (more than 20%)

HYDROCHLORIC ACID 1-20%

HYDROCHLORIC ACID 1%

HYDROCYANIC ACID

HYDROFLUORIC ACID HYDROFLUOROSILIC ACID

HYDROGEN PEROXIDE

HYDROGEN SULFIDE (moist)

ISOPROPYL ALCOHOL

JET FUEL

KEROSENE

LACTIC ACID

LACQUERS & LACQUER SOLVENTS

LPG PROPANE

LEAD ACETATE

LINSEED OIL

LYE

MAGNESIUM CARBONATE

MAGNESIUM CHLORIDE

MAGNESIUM HYDROXIDE

MAGNESIUM NITRATE MAGNESIUM SULFATE

MALEIC ACID

MERCURIC CHLORIDE

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A	Α	R	N/R	A	A	
A	А	С	A	Α	A A	





MERCURIC CYANIDE

MERCUROUS NITRATE

MERCURY

METHYL ALCOHOL

METHYL CHLORIDE (wet)

METHYL ETHYL KETONE

METHYL ISOBUTYL KETONE

METHYLENE CHLORIDE

MILK

MINERAL OIL

MONOCHLORO BENZENE (dry)

MONOETHOLAMINE

NAPHTHA

NAPHTHALENE

NICKEL CHLORIDE

NICKEL NITRATE

NICKEL SULFATE

NITRIC ACID

NITROBENZENE

OILS, MINERAL

OILS, OLIVE

OILS, VEGETABLE

OLEIC ACID

OXALIC ACID

PHOSPHORIC ACID

PHOTOGRAPHIC SOLUTION/DEVELOPER

PLATING SOLUTIONS/BRASS

PLATING SOLUTIONS/CADMIUM

PLATING SOLUTIONS/CHROME

PLATING SOLUTIONS/COPPER

PLATING SOLUTIONS/GOLD

PLATING SOLUTIONS/LEAD

PLATING SOLUTIONS/NICKEL

PLATING SOLUTIONS/SILVER

PLATING SOLUTIONS/TIN PLATING SOLUTIONS/ZINC

POTASSIUM ACETATE

DOTA SSUIM A ALLIA MALLIA

POTASSIUM ALUMINUM SULFATE

POTASSIUM BICARBONATE

POTASSIUM BICHROMATE

POTASSIUM CARBONATE POTASSIUM CHLORATE

POTASSIUM CHLORIDE

POTASSIUM CHROMATE

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NORYL	POLYPROPYILE.	STAINLESS CT.	BUNA-N	VITON	EDPM	/
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POTASSIUM CYANIDE POTASSIUM DICHROMATE POTASSIUM FERRICYANIDE POTASSIUM HYDROXIDE POTASSIUM NITRATE

POTASSIUM PERMANGANATE

POTASSIUM SULFATE POTASSIUM SULFIDE POTASSIUM SULFITE PROPYL ACETATE PROPYL ALCOHOL

PYRIDINE SALT BRINE

SEA WATER SILICONE OIL

SOAP SOLUTIONS SODIUM ACETATE

SODIUM BICARBONATE

SODIUM BISULFATE

SODIUM BISULFITE

SODIUM BORATE (Borax)

SODIUM BROMIDE SODIUM CARBONATE

SODIUM CHLORATE

SODIUM CHLORIDE SODIUM CHROMATE

SODIUM CYANIDE

SODIUM DICHROMATE SODIUM FERRICYANIDE

SODIUM FLUORIDE

SODIUM HYDROXIDE SODIUM HYPOCHLORITE

SODIUM NITRATE SODIUM NITRITE

SODIUM PHOSPHATES

SODIUM SILICATE

SODIUM SULFATE SODIUM SULFIDE

SODIUM SULFITE

SODIUM THIOSULFATE

STANNIC CHLORIDE

STARCH STEAM

STODDARD SOLVENT

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SUGAR JUICE

SULFOLENE

SULFUR DIOXIDE (wet)

SULFURIC ACID

TANNIC ACID

TANNING LIQUOR

TARTARIC ACID

TETRAHYDROFURAN

TOLUENE (Toluol)

TRICHLORACETIC ACID

TRICHLORETHYLENE

TRICHLOROTRI-FLUOROETHANE (Freon 113)

TRITHANOLAMINE

TRISODIUM PHOSPHATE

TURPENTINE

UREA

URINE

VINEGAR

WATER, DISTILLED

WATER, DE-IONIZED

WATER, DE-MINERALIZED

WHISKEY

WHITE LIQUOR (Pulp Mill)

WHITE SPIRIT

WINE

XYLENE (Xylol, Xylole)

ZINC CHLORIDE

ZINC SULFATE

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