

A	Concentration	Rating
Acetic Acid	5%	B
Acetic Acid	50%	C
Acetic Acid Glacial		C
Acetic Anhydride		C
Acetone		C
Acrylonitrile		A
AFFF		A
Alkyl Alcohol		T
Alkyl Chloride		C
Aluminum Chloride		A
Aluminum Fluoride	20%	A
Aluminum Sulfate	30%	A
Ammonia Carbonate		A
Ammonium Chloride		A
Ammonium Fluoride		T
Ammonium Hydroxide (conc.)		A
Ammonium Nitrate		A
Ammonium Persulfate Etching Solution	116g/L	C
Ammonium Phosphate		A
Ammonium Sulfate		A
Ammonium Sulfide		T
Amyl Acetate		C
Amyl Alcohol		A
Amyl Chloride		C
Aniline		B
Animal Oil		T
Antimony Chloride		A
Aqua Regia		C
ASTM Fuel A		A
ASTM Fuel B		A
ASTM Fuel C		B
ASTM Oil #1		A
ASTM Oil #2		A
ASTM Oil #3		A
Asphalt		B
B		Rating
Barium Carbonate		A
Barium Hydroxide		A
Barium Sulfate		A
Benzene	<1%	Test
Benzene	25%	C
Benzene	100%	C
Benzoic Acid		T
Bismuth Carbonate		B
Borax Solutions		A
Boric Acid	10%	A
Bromic Acid		A

Bromine Anhydrous		C
Butyl Acetate		C
Butyl Alcohol		A
Butyl Phenol		-
Butyric Acid		-
C		Rating
Calcium Bisulfate		A
Calcium Carbonate		A
Calcium Chloride		A
Calcium Hydroxide		B
Calcium Hypochlorate		B
Calcium Nitrate	50%	A
Calcium Sulfate		A
Calcium Disulfide		T
Carbon Tetrachloride		C
Carbonic Acid		A
Castor Oil		A
Chlorine Gas		B
Chlorine Solution 20%		A
Chloroacetic Acid		B
Chlorobenzene		C
Chloroform		C
Chlorosulfonic Acid		C
Chrome Aluminum		A
Chromic Acid 30%		A
Chromium Oxide	30 – 60%	A
Chromium Trioxide		-
Citric Acid		B
Clorox		A
Copper Chloride		A
Cooper Nitrate		A
Copper Sulfate		A
Corn Oil		T
Cottonseed Oil		T
Crude Oil		A
Cyclohexane		X
Cyclohezanol		-
Cyclohexanone		X
D		Rating
Dextrine		A
Dibutyl Phthalate		-
Diesel Fuel		A
Diethyl Ether		C
Diethyl Ketone		C
Diethyl Sebacate		X
Dimethylamine		C
Dipotassium Hexafluorozirconate	5 – 10%	A
Disodium Phosphate		A
E		Rating

Epichlorohydrine		C
Ethanol		A
Ethyl Acetate		C
Ethyl Alcohol		A
Ethylene Bromide		C
Ethylene Chloride		C
Ethylene Dichloride		C
Ethylene Glycol		A
Ethylene Oxide		C
F		Rating
Fertilizer Solution		A
Fuel Oil #2		A
Fuel Oil #6		A
Furfural		C
G		Rating
Gallic Acid		-
Gasoline	<25% BTX	B
Gasoline	>25% BTX	B
Glucose		A
Glycerine		A
H		Rating
Hexane		A
Hydraulic Fluid (petro)		A
Hydraulic Fluid (Phosphate ester)		C
Hydrazine		B
Hydrobromic Acid		Test
Hydrocarbon Type II (40% aromatic)		C
Hydrochloric Acid	20% - 50%	A
Hydrocyanic Acid (Gas)		-
Hydrofluoric Acid	5% - 50%	A
Hydrofluosilic Acid	30%	A
Hydrogen Peroxide	3% - 10%	A
Hydrogen Sulfide (Dry)		A
Hydroquinone		B
I		Rating
Iso-Octane		A
Isophorone Diisocyanate		A
Isopropyl Alcohol		A
Ivory Soap		A
J		Rating
JP-4 Jet Fuel		A
JP-5 Jet Fuel		A
JP-8 Jet Fuel		A
Jet A		A
Jet B		A
K		Rating

Kerosene		A
L		Rating
Lactic Acid		Test
Lead Acetate		T
Linseed Oil (raw)		A
M		Rating
Magnesium Carbonate		T
Magnesium Chloride		T
Magnesium Hydroxide		T
Magnesium Nitrate		T
Magnesium Sulfate		T
Malic Acid		T
Mercuric Chloride		T
Methanol		A
Methyl Alcohol		A
Methyl Ethyl Ketone		C
Methylene Chloride		A
Mineral Oil		T
Mineral Spirits		A
N		Rating
Naphtha		A
Naphthalene		C
Nitric Acid	5 % - 10%	B
Nitric Acid	50%	C
Nitric Acid	70%	C
Nitrobenzene		C
O		Rating
Oleic Acid		C
Oleum 25%		C
Orthoxylene		C
Oxalic Acid		T
P		Rating
Palmitic Acid		T
Perchlorethylene		C
Phenol	100%	C
Phenol Formaldehyde		B
Phosphoric Acid	50%	A
Phosphoric Acid	75%	C
Phosphorous Yellow		Test
Phosphorous Pentoxide		Test
Photographic Solutions		T
Phthalate Plasticizer		C
Pickling Solutions		-
Poly G8529		T
Polyaluminumchloride	8 - 24%	T
Potassium Bicarbonate		A

Potassium Carbonate		A
Potassium Chloride		T
Potassium Chromate	40%	A
Potassium Cyanide		A
Potassium Dichromate		A
Potassium Hydroxide		T
Potassium Nitrate		A
Potassium Perchlorate	10%	T
Potassium Permanganate		A
Potassium Sulfate		A
Potassium Tetra fluoroborate	10 – 30%	A
Pyridine		C
S		Rating
SAE-30 Oil		A
Salt Water	25%	B
Sea Water		A
Silicon Grease		T
Silver Nitrate		T
Soap Solutions		A
Sodium Acetate		T
Sodium Bicarbonate		A
Sodium Bisulfate		T
Sodium Carbonate		A
Sodium Chlorate		A
Sodium Chloride		A
Sodium Dichromate	20% - 100%	T
Sodium Ferro cyanide		A
Sodium Fluoride		A
Sodium Hydroxide	25% - 60%	A
Sodium Hypochlorite		A
Sodium Nitrate		A
Sodium Phosphate		T
Sodium Sulfate		A
Sodium Sulfate		A
Soybean Oil		A
Stannous Chloride		T
Stearic Acid		A
Styrene		C
Sulfuric Acid 10%		A
Sulfuric Acid 50%		A
Sulfuric Acid 98%		C
T		Rating
Tannic Acid		A
Tartaric Acid		T
Teriary Amine		C
Tetrahydrofuran		C
Tinuvin 123		T

Titanium Oxide		A
Toluene	<1%	T
Toluene	25%	Test
Toluene	100%	C
Transformer Oil		A
Triethanolamine		Test
Trimethylpropane		A
TriPotassium Hexacyanoferrate	10 – 30%	A
Trisodium Phosphate		A
Tung Oil		T
Turpentine		A
U		Rating
Urea Formaldehyde		A
UAN		A
V		Rating
Vegetable Oil		A
W		Rating
Water		A
X		Rating
Xylene	<1%	B
Xylene	25%	Test
Xylene	100%	C
Z		Rating
Zinc Chloride		A
Zinc Oxide		A

A – Fluid has little to minor effect		
B – Fluid has minor to moderate effect		
C – Fluid has severe effect		
T – No test data, likely to have minor effect		

The Rating is recommended as a guide. Results represent ability of material to retain its performance properties when in contact with the indicated material. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience is gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information.

Contact a Seaman Corporation XR representative to discuss you specific application. Other factors may affect your project such as temperatures, concentrations, life expectancy, etc. Immersion of XR in the specific application under Seaman Corporation direction may be warranted.

