



## CHEMICAL EROSION RESISTANCE GUIDE

### ALCOHOLS

Benzyl Alcohol	O
Ethyl Alcohol	O
Isopropyl Alcohol	O
Methyl Alcohol	O
Ethylene Glycol	O
Methyl Ethyl Ketone	O
Methyl Isobutyl Ketone	O
Glycerol	O
I-Hexanol	O
Resorcinol	O

### ALDEHYDES

Benzaldehyde	O
Butyraldehyde	O
Furfural	O

### AMINES

Aniline	O
Triethanolamine	O

### DETERGENTS & OTHER CLEANING PRODUCTS

Calgonite (1%)	O
Clorox (1%)	O
Clorox (Concentrate)	O
Joy (1%)	O
Joy (Concentrate)	O
Lestoil (1%)	O
Lux Flakes	O
Rinse Dry (1%)	O
Rinse Dry (Concentrate)	O
Tide (1%)	O

### ESTERS

Amyl Acetate	O
Dibutyl Sebacate	O
Diethyl Phthalate	O
Ethyl Acetate	O
Tricresyl Phosphate	O

### ETHERS

Dibenzyl Ether	O
Diethylene Glycol Monobutyl Ether	O
Ethyl Ether	O
Ethylene Glycol Monoethyl Ether	O

### HALOGENATED HYDROCARBONS

Benzyl Chloride	O
Bromobenzene	O
Carbon Tetrachloride	O
Chloroform	O
Ethylene Dichloride	O
Perchloroethylene	O

### HYDROCARBONS

Benzene	O
Cyclohexane	O
Ethylbenzene	O
Heptane	O
Hexane	O
Naphthalene	O
Toluene	O
Xylene	O

### OTHER SUBSTITUTED HYDROCARBONS

Carbon Disulphide	O
Nitrobenzene	O

### HYDRAULIC FLUIDS

Oronite 8200	O
Pydraul F9	O
Pydraul 60	O
Skydrol	O
Skydrol 500	O

### INORGANIC ACIDS

Chlorosulphonic Acid (10%)	S
Chromic Acid (10%)	M
Chromic Acid (Concentrate)	M
Hydrochloric Acid (10%)	M
Hydrochloric Acid (Concentrate)	S
Hydrofluoric Acid (Concentrate)	M
Nitric Acid (10%)	S
Phosphoric Acid (Concentrate)	M
Sulphuric Acid (10%)	M
Sulphuric Acid (Concentrate)	S

### INORGANIC BASES

Barium Hydroxide (Concentrate)	O
Calcium Hydroxide (Concentrate)	O
Potassium Hydroxide (10%)	M
Sodium Hydroxide (10%)	M
Sodium Hydroxide (Concentrate)	M

### INORGANIC SALTS (25% Solution)

Ammonium Chloride	M
Ammonium Nitrate	M
Barium Chloride	M
Calcium Chloride	M
Calcium Hypochlorite	M
Cupric Chloride	M
Cupric Sulphate	O
Ferric Chloride	M
Ferric Nitrate	O
Ferrous Sulphate	O
Magnesium Chloride	S
Magnesium Sulphate	O
Nickel Sulphate	O
Potassium Chloride	M
Potassium Permanganate	O
Potassium Bisulphate	O
Potassium Dichromate	M
Sodium Borate (Borax)	O
Sodium Bicarbonate	O
Sodium Chloride	M
Zinc Nitrate	O
Sodium Chloride - Saturated	M

### KETONES

Acetone	O
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### MISCELLANEOUS

Gelatine (sat. sol'n)	O
Glucose (sat. sol'n)	M
Antifreeze	O
Brake Fluid	O
Transmission Fluid	O

### NATURAL FATS & OILS

Butter	O
Castor Oil	O
Cottonseed Oil	O
Lard	O
Oleomargarine	O
Olive Oil	O
White Mineral Oil	O

### OILS & FUELS

A.S.T.M. No. 1 Oil	O
A.S.T.M. No. 2 Oil	O
A.S.T.M. No. 3 Oil	O
A.S.T.M. No. Fuel A	O
A.S.T.M. No. Fuel B	O
A.S.T.M. No. Fuel C	O
Heating Fuel Oil	O
Jet Aircraft Engine Oil	O

### ORGANIC ACIDS

Acetic Acid (10%)	M
Acetic Acid (Glacial)	M
Citric Acid (10%)	M
Formic Acid (10%)	M
Lactic Acid (10%)	M
Oleic Acid (100%)	O
Oxalic Acid (10%)	M
Phenol (10%)	O
Phenol (100%)	M
Picric Acid (10%)	M
Stearic Acid (100%)	O
Tannic Acid (10%)	O
Tartaric Acid (10%)	M

### WATER

Distilled Water	O
Seawater	M

**NOTE:** Chemical mixtures do not necessarily have the same effect or lack of effect on the Ashford Formula than those of the individual components within a given blend. Chemical attack can be influenced by temperature, contact time, concentration and composition. The information and recommendations contained in this bulletin are based on data believed to be reliable, but all such information and recommendations are specified without guarantee or warranty.

**O** - No Effect

**M** - Moderate Effect

**S** - Severe Effect