



TECHNICAL INFORMATION

MB-340
CORROSION GUIDE for Stypol® 040-2988
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The following table has been compiled to serve as a guide in selecting **STYPOL® 40-2988** for exposure to various corrosive media. It is, however, the customer's responsibility to make his own tests and final decisions.

CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Acetic acid, 10%	Yes	Yes	Yes	Yes
Acetic acid, 25%	Yes	Yes	No	No
Acetic anhydride	No	No	No	No
Acetone	No	Yes	--	--
Acetonitrile	No	No	--	--
Aluminum chloride	Yes	Yes	Yes	Yes
Aluminum potassium sulfate	Yes	Yes	Yes	Yes
Aluminum sulfate	Yes	Yes	Yes	Yes
Ammonium chloride, 50%	Yes	Yes	Yes	Yes
Ammonium hydroxide, 5%	No	Yes	No	No
Ammonium nitrate, 50%	Yes	Yes	Yes	Yes
Ammonium persulfate	Yes	Yes	Yes	Yes
Ammonium sulfate	Yes	Yes	Yes	Yes
Amyl acetate	No	No	No	No
Amyl alcohol	Yes	Yes	Yes	Yes
Aniline	No	No	No	No
Aniline sulfate, 25%	Yes	Yes	Yes	Yes

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CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Antimony trichloride, 100%	No	No	No	No
Antimony trichloride, 50%	Yes	Yes	No	Yes
Barium chloride	Yes	Yes	Yes	Yes
Barium hydroxide, 10%	No	No	No	No
Benzene	No	No	--	--
Benzene sulfonic acid, 25%	Yes	Yes	No	Yes
Benzoic acid	Yes	Yes	Yes	Yes
Bleach liquor	No	No	No	No
Butyric acid, 100%	No	No	No	No
Butyric acid, 25%	Yes	Yes	No	Yes
Calcium chlorate	Yes	Yes	Yes	Yes
Calcium chloride	Yes	Yes	Yes	Yes
Calcium hydroxide	No	No	No	No
Calcium hypochlorite	No	No	No	No
Carbon dioxide, saturated	Yes	Yes	No	Yes
Carbon tetrachloride	No	Yes	--	--
Chloroacetic acid, 50%	No	Yes	No	No
Chloroform	No	No	No	No
Citric acid	Yes	Yes	Yes	Yes
Cupric nitrate	Yes	Yes	Yes	Yes
Cuprous nitrate	Yes	Yes	Yes	Yes
Diallyl phthalate	Yes	Yes	Yes	Yes
Diethylene glycol	Yes	Yes	No	Yes
Dipropylene glycol	Yes	Yes	No	Yes

CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Diethyl ketone	No	Yes	--	--
Ethyl acetate	No	No	--	--
Ethyl alcohol	Yes	Yes	Yes	Yes
Ethyl dichloride	No	No	--	--
Ethylene glycol	Yes	Yes	No	Yes
Fatty acids, saturated	Yes	Yes	Yes	Yes
Fatty acids, unsaturated	Yes	Yes	Yes	Yes
Ferric chloride	Yes	Yes	Yes	Yes
Ferrous chloride	Yes	Yes	Yes	Yes
Ferric nitrate	Yes	Yes	Yes	Yes
Ferrous nitrate	Yes	Yes	Yes	Yes
Ferric sulfate	Yes	Yes	Yes	Yes
Ferrous sulfate	Yes	Yes	Yes	Yes
Formaldehyde	Yes	Yes	No	Yes
Fluorine	No	No	No	No
Fluosilicic acid	No	No	No	No
Formic acid	No	No	No	No
Furfural	No	No	No	No
Gasoline	Yes	Yes	Yes	Yes
Glycerine	Yes	Yes	No	Yes
Hydrobromic acid, 50%	No	Yes	No	No
Hydrochloric acid, 15%	Yes	Yes	No	No
Hydrocyanic acid, 10%	Yes	Yes	No	Yes
Hydrogen peroxide, 10%	No	Yes	No	No

CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Hypochlorite bleach	No	No	No	No
Kerosene	Yes	Yes	Yes	Yes
Lactic acid	Yes	Yes	Yes	Yes
Lead acetate	Yes	Yes	Yes	Yes
Linseed oil	Yes	Yes	No	No
Magnesium carbonate	Yes	Yes	No	No
Magnesium chloride	Yes	Yes	Yes	Yes
Magnesium sulfate	Yes	Yes	Yes	Yes
Methyl alcohol	Yes	Yes	--	--
Methyl ethyl ketone	No	Yes	--	--
Methyl isobutyl ketone	No	No	--	--
Mercuric chloride	Yes	Yes	Yes	Yes
Mercurous chloride	Yes	Yes	Yes	Yes
Naphtha	Yes	Yes	Yes	Yes
Naphthalene	Yes	Yes	No	No
Nickel chloride	Yes	Yes	Yes	Yes
Nickel nitrate	Yes	Yes	Yes	Yes
Nickel sulfate	Yes	Yes	Yes	Yes
Nitric acid	No	No	No	No
Nitrobenzene	No	No	No	No
Oleic acid	Yes	Yes	Yes	Yes
Perchloric acid	No	No	No	No
Perchloroethylene	No	Yes	--	--
Phenol	No	No	No	No

CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Phosphoric acid	Yes	Yes	No	No
Potassium carbonate	No	No	No	No
Potassium chloride	Yes	Yes	Yes	Yes
Potassium dichromate	Yes	Yes	Yes	Yes
Potassium hydroxide	No	No	No	No
Potassium nitrate	Yes	Yes	Yes	Yes
Potassium sulfate	Yes	Yes	Yes	Yes
Propylene glycol	Yes	Yes	No	Yes
Silver nitrate	Yes	Yes	Yes	Yes
Sodium acetate	Yes	Yes	No	Yes
Sodium bicarbonate	No	No	No	No
Sodium carbonate	No	No	No	No
Sodium chloride	Yes	Yes	Yes	Yes
Sodium hydroxide	No	No	No	No
Sodium hypochlorite	No	No	No	No
Sodium nitrate	Yes	Yes	Yes	Yes
Sodium nitrite	Yes	Yes	Yes	Yes
Sodium sulfide	Yes	Yes	Yes	Yes
Sodium sulfate	Yes	Yes	Yes	Yes
Sodium sulfite	Yes	Yes	Yes	Yes
Stannic chloride	Yes	Yes	No	No
Stannous chloride	Yes	Yes	No	No
Stearic acid	Yes	Yes	Yes	Yes
Sulfuric acid, 50%	No	Yes	No	No

CHEMICALS	75°F CONTINUOUS OPERATION	75°F INTERMITTENT EXPOSURE	158°F CONTINUOUS OPERATION	158°F INTERMITTENT EXPOSURE
Sulfur dioxide	No	Yes	No	No
Sulfur trioxide	No	Yes	No	No
Sulfurous acid, 10%	No	Yes	No	No
Tannic acid	Yes	Yes	Yes	Yes
Tartaric acid	Yes	Yes	No	Yes
Toluene	No	No	No	No
Trichloroacetic acid, 50%	No	Yes	No	No
Trisodium phosphate	No	No	No	No
Water	Yes	Yes	Yes	Yes
Xylene	No	No	No	No
Zinc chloride	Yes	Yes	Yes	Yes
Zinc nitrate	Yes	Yes	Yes	Yes
Zinc sulfate	Yes	Yes	Yes	Yes