Chemical Resistance Chart

A Recommended **C** Recommended depends on operating conditions **X** Not recommended

	NAM 39	NAM 37 / 37C	NAM 30/ 30Y	NAM 32	NAM 32N	NAM 32 CR	NAM 33	NAM 31	NAM 42 GF	NAM 45 CF	NAM 39 Steel	NAM 37 Steel	NAM 30 Steel	NAM 32 Steel
Acetaldehyde	C	C	C	C	C	A	C	C	C	C	C	C	C	C
Acetic acid 10%	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Acetic acid 100%	X	X	X	A	X	A	X	X	A	A	X	X	X	A
Acetic ester	C	C	C	C	C	A	X	C	C	C	C	C	C	C
Acetone	C	C	C	C	C	A	C	C	C	C	C	C	C	C
Acetylene	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Adipic acid	C	C	C	C	C	A	C	C	C	C	C	C	C	C
Air	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alum	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aluminium acetate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Aluminium fluorde	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Aluminium chloride	A	A	A	A	A	A	A	C	C	A	A	A	A	A
Ammonia	C	C	C	A	A	A	X	C	A	A	C	C	C	A
Ammonium bicarbonate	A	A	A	A	A	A	A	C	C	C	A	A	A	A
Ammonium chloride	A	A	A	A	A	A	A	C	C	C	A	A	A	A
Ammonium hydroxide	A	A	A	A	A	A	A	C	C	C	A	A	A	A
Amyle acetate	C	C	C	C	C	C	C	C	C	C	C	C	C	C
AST Oil No. 3	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Asphalt	A	A	A	A	C	C	A	C	A	A	A	A	A	A
Barium chloride	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Benzene	C	C	C	C	C	A	X	C	C	C	C	C	C	C
Benzoic acid	X	X	C	C	C	A	X	C	C	C	X	X	C	C
Boric acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Borax	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Brine	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Butane	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Butyl alcohol	A	A	A	A	A	~~A~~	A	C	A	C	A	A	A	A
Butyric acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Calcium chloride	A	A	A	A	C	A	C	C	A	A	A	A	A	A
Calcium hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbon disulphide	X	X	X	X	X	C	C	X	X	X	X	X	X	X
Carbon dioxide	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Chloroform	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Carbon tetra chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Chlorine, wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic acid	X	X	X	X	C	C	X	X	X	C	X	X	X	X
Citric acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Copper chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Creosole	X	X	A	X	C	X	C	C	X	C	X	X	A	X
Cresol	X	X	C	C	C	C	C	C	C	C	X	X	C	C
Cyclohexanol	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Dibenzyl ether	X	X	C	C	C	C	C	X	X	C	X	X	C	C
Dimethyl formamide	X	X	A	A	C	A	X	X	A	A	X	X	A	A
Diesel oil	C	C	A	A	A	A	A	A	A	A	C	C	A	A
Ethane	C	C	A	A	A	A	A	C	C	A	C	C	A	A

	NAM 39	NAM 37 /37C	NAM 30/30Y	NAM 32	NAM 32N	NAM 32 CR	NAM 33	NAM 31	NAM 42 GF	NAM 45 CF	NAM 39 Steel	NAM 37 Steel	NAM 30 Steel	NAM 32 Steel
Ethyl acetate	C	C	C	C	C	C	X	C	C	C	C	C	C	C
Ethyl alcohol	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Ethyl chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Ethylene	C	C	A	A	A	A	X	C	A	A	C	C	A	A
Ferric chloride	C	C	A	A	A	A	X	C	A	A	C	C	A	A
Formaldehyde	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Glycerine	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Heptane	C	C	A	A	A	A	C	C	A	A	C	C	A	A
Hydraulic oil	C	C	A	A	A	X	X	C	A	A	C	C	A	A
Hydraulic (glycol based)	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Zinc hydrate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Hydrazine	A	A	A	A	C	A	A	C	A	C	A	A	A	A
Hydrocloric acid 20%	C	C	C	C	C	A	C	C	A	C	C	C	C	C
Hydrocloric acid 36%	X	X	X	X	X	C	X	X	X	X	X	X	X	X
HCL (dry)	X	X	X	X	X	C	X	X	X	X	X	X	X	X
Hydrofluoric acid 40%	X	X	X	X	X	C	X	X	X	X	X	X	X	X
Hydrogen	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Isobutane	A	A	A	A	A	C	C	C	A	C	A	A	A	A
Isooctane	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Isopropyl alcohol	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Kerosene	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Lead acetate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Lime water	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Magnesium sulphate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Mallic acid	X	X	C	C	C	C	A	X	C	C	X	X	C	C
Methane	X	X	A	A	A	A	X	C	A	A	X	X	A	A
Methanol	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Methyl chloride	X	C	C	C	C	C	X	C	C	C	X	C	C	C
Mehtylene dichloride	X	X	X	X	X	C	X	X	X	X	X	X	X	X
Methyl ethyl ketone	C	C	C	C	C	C	X	C	C	C	C	C	C	C
Mercury	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Natural Gas	A	A	A	A	A	C	X	C	A	A	A	A	A	A
Nitric acid 20%	X	X	X	X	X	A	X	X	X	X	X	X	X	X
Nitric acid 40%	X	X	X	X	X	A	X	X	X	X	X	X	X	X
Nitric acid 96%	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nitrobenzene	X	X	X	X	X	X	A	X	X	X	X	X	X	X
Nitrogen	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Octane	X	X	C	C	C	A	X	C	C	C	X	X	C	C
Oleic acid	X	X	A	A	C	A	C	X	X	A	X	X	A	A
Oxalic acid	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Oxygen	C	C	A	A	C	C	X	C	C	C	C	C	A	A
Palmitic acid	X	X	C	C	C	A	X	C	C	C	X	X	C	C
Peniane	C	C	C	C	C	A	X	C	C	C	C	C	C	C
Perchloroethylene	C	C	A	C	C	C	X	C	C	C	C	C	A	C
Phenol	X	X	A	A	C	A	C	X	A	X	X	X	A	A

	NAM 39	NAM 37/37C	NAM 30/ 30Y	NAM 32	NAM 32N	NAM 32 CR	NAM 33	NAM 31	NAM 42 GF	NAM 45 CF	NAM 39 Steel	NAM 37 Steel	NAM 30 Steel	NAM 32 Steel
Phosphoric acid	C	C	C	C	C	A	C	C	C	C	C	C	C	C
Potassium acetate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium bicarbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium carbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium chloride	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium dichromate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium hydroxide	X	X	C	C	C	C	C	C	C	C	X	X	C	C
Potassium iodide	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Potassium permanganate	C	C	A	A	A	A	C	A	A	A	C	C	A	A
Propane	A	A	A	A	A	A	C	C	A	A	A	A	A	A
Pyridine	X	X	X	X	X	C	X	X	X	X	X	X	X	X
Salicylic acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Silicone oil	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Skydrol	X	X	C	C	C	A	X	C	C	C	X	X	C	C
Sodium aluminate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Sodium bicarbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Sodium bisulphite	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Sodium carbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Sodium chloride	C	C	A	A	A	A	X	C	A	A	C	C	A	A
Sodium cyanide	X	X	X	X	X	A	X	X	X	X	X	X	X	X
Sodium hydroxide	X	X	X	X	X	A	X	X	X	X	X	X	X	X
Sodium sulphate	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Sodium sulphide	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Starch	X	A	A	A	A	A	A	C	A	A	X	A	A	A
Steam	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Stearic acid	X	A	A	A	A	A	C	C	A	A	X	A	A	A
Sugar	X	A	A	A	A	A	A	C	A	A	X	A	A	A
Sulphuric acid 20%	X	X	X	X	X	A	X	X	X	X	X	X	X	X
Sulphuric acid 96%	X	X	X	X	X	C	X	X	X	X	X	X	X	X
Tar	C	C	A	A	A	A	C	C	A	A	C	C	A	A
Tartaric acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A
Toluene	A	A	A	A	A	A	X	C	A	A	A	A	A	A
Transformer oil	X	X	A	A	C	A	C	C	A	A	X	X	A	A
Trichlorethylene	X	C	C	C	C	A	X	C	C	A	X	C	C	C
Water	A	A	A	A	A	A	A	C	A	A	A	A	A	A
White Spirit	A	A	A	A	C	A	X	X	A	A	A	A	A	A
Xylene	C	C	A	A	C	A	X	C	C	C	C	C	A	A
Xylene	C	C	C	X	C	A	X	C	C	C	C	C	C	X