

# 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		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		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	Ethyl acetate	C	C	C	C	C	C	X	C	C	C	C	C	C	Phosphoric acid	C	C	C	C	C	A	C	C	C	C	C	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	Ethyl alcohol	A	A	A	A	A	A	A	C	A	A	A	A	A	Potassium acetate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A									
Acetic acid 100%	X	X	X	A	X	A	X	X	A	A	X	X	X	A	Ethyl chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	Potassium bicarbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A									
Acetic ester	C	C	C	C	C	A	X	C	C	C	C	C	C	C	Ethylene	C	C	A	A	A	A	X	C	A	A	C	C	A	Potassium carbonate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A									
Acetone	C	C	C	C	C	A	C	C	C	C	C	C	C	C	Ferric chloride	C	C	A	A	A	A	X	C	A	A	C	C	A	Potassium chloride	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A								
Acetylene	A	A	A	A	A	A	C	C	A	A	A	A	A	A	Formaldehyde	A	A	A	A	A	A	A	C	A	A	A	A	A	Potassium dichromate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A								
Adipic acid	C	C	C	C	C	A	C	C	C	C	C	C	C	C	Glycerine	A	A	A	A	A	A	A	C	A	A	A	A	A	Potassium hydroxide	X	X	C	C	C	C	C	C	C	C	C	C	C	X	X	C	C	C	C	C	C								
Air	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Heptane	C	C	A	A	A	A	C	C	A	A	C	C	A	Potassium iodide	A	A	A	A	A	A	A	C	A	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	Hydraulic oil	C	C	A	A	A	X	X	C	A	A	C	C	A	Potassium permanganate	C	C	A	A	A	A	C	A	A	A	C	C	A	A	C	C	A	A	C	A	A	A	A						
Aluminium acetate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	Hydraulic (glycol based)	A	A	A	A	A	A	A	C	A	A	A	A	A	Propane	A	A	A	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A							
Aluminium fluoride	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	Pyridine	X	X	X	X	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Aluminium chloride	A	A	A	A	A	A	A	C	C	A	A	A	A	A	Hydrazine	A	A	A	A	C	A	A	C	A	C	A	A	A	Salicylic acid	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A						
Ammonia	C	C	C	A	A	A	X	C	A	A	C	C	C	A	Hydrochloric acid 20%	C	C	C	C	C	A	C	C	A	C	C	C	C	Silicone oil	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A						
Ammonium bicarbonate	A	A	A	A	A	A	A	C	C	C	A	A	A	A	Hydrochloric acid 36%	X	X	X	X	X	C	X	X	X	X	X	X	X	Skydrol	X	X	C	C	C	A	X	C	C	C	X	X	C	C	X	X	C	C	X	X	C	C	C	C					
Ammonium chloride	A	A	A	A	A	A	A	C	C	C	A	A	A	A	HCL (dry)	X	X	X	X	X	C	X	X	X	X	X	X	X	Sodium aluminate	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Ammonium hydroxide	A	A	A	A	A	A	A	C	C	C	A	A	A	A	Hydrofluoric acid 40%	X	X	X	X	X	C	X	X	X	X	X	X	X	Sodium bicarbonate	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Amyle acetate	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Hydrogen	A	A	A	A	A	A	A	C	A	A	A	A	A	Sodium bisulphite	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
AST Oil No. 3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Isobutane	A	A	A	A	A	C	C	C	A	C	A	A	A	Sodium carbonate	A	A	A	A	A	A	C	A	A	A	A	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	Isooctane	A	A	A	A	A	A	A	C	A	A	A	A	A	Sodium chloride	C	C	A	A	A	A	X	C	A	A	C	C	A	A	C	C	A	A	C	A	A	A	A	A	A				
Barium chloride	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	Sodium cyanide	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Benzene	C	C	C	C	C	A	X	C	C	C	C	C	C	C	Kerosene	A	A	A	A	A	A	C	C	A	A	A	A	A	Sodium hydroxide	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Benzoic acid	X	X	C	C	C	A	X	C	C	C	X	X	C	C	Lead acetate	A	A	A	A	A	A	C	A	A	A	A	A	A	Sodium sulphate	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Boric acid	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	Sodium sulphide	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Borax	A	A	A	A	A	A	C	C	A	A	A	A	A	A	Magnesium sulphate	A	A	A	A	A	A	A	C	A	A	A	A	A	A	Starch	X	A	A	A	A	A	C	A	A	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A				
Brine	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	Steam	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
Butane	A	A	A	A	A	A	A	C	A	A	A	A	A	A	Methane	X	X	A	A	A	A	X	C	A	A	X	X	A	Stearic acid	X	A	A	A	A	A	C	C	A	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A					
Butyl alcohol	A	A	A	A	A	A	A	C	A	C	A	A	A	A	Methanol	A	A	A	A	A	A	A	C	A	A	A	A	A	Sugar	X	A	A	A	A	A	C	A	A	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A					
Butyric acid	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	Sulphuric acid 20%	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Calcium chloride	A	A	A	A	C	A	C	C	A	A	A	A	A	A	Methyl dichloride	X	X	X	X	X	C	X	X	X	X	X	X	X	Sulphuric acid 96%	X	X	X	X	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Calcium hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Methyl ethyl ketone	C	C	C	C	C	C	X	C	C	C	C	C	C	Tar	C	C	A	A	A	A	C	C	A	A	C	C	A	A	C	C	A	A	C	A	A	A	A	A	A				
Carbon disulphide	X	X	X	X	X	C	C	X	X	X	X	X	X	X	Mercury	A	A	A	A	A	A	A	C	A	A	A	A	A	Tartaric acid	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
Carbon dioxide	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	Toluene	A	A	A	A	A	A	X	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
Chloroform	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Nitric acid 20%	X	X	X	X	X	A	X	X	X	X	X	X	X	Transformer oil	X	X	A	A	C	A	C	C	A	A	X	X	A	A	X	X	A	A	X	X	A	A	A	A	A	A			
Carbon tetra chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Nitric acid 40%	X	X	X	X	X	A	X	X	X	X	X	X	X	Trichlorethylene	X	C	C	C	C	A	X	C	C	A	X	C	C	A	X	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	Nitric acid 96%	X	X	X	X	X	X	X	X	X	X	X	X	X	Water	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Chromic acid	X	X	X	X	C	C	X	X	X	C	X	X	X	X	Nitrobenzene	X	X	X	X	X	X	A	X	X	X	X	X	X	White Spirit	A	A	A	A	C	A	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Citric acid	A	A	A	A	A	A	A	C	A	A	A	A	A	A	Nitrogen	A	A	A	A	A	A	A	C	A	A	A	A	A	Xylene	C	C	A	A	C	A	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C			
Copper chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Octane	X	X	C	C	A	X	C	C	C	X	X	C	C	Xylene	C	C	C	X	C	A	X	C	C	C	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	Oleic acid	X	X	A	A	C	A	C	X	X	A	X	X	A																														
Cresol	X	X	C	C	C	C	C	C	C	C	X	X	C	C	Oxalic acid	C	C	C	C	C	C	C	C	C	C	C	C	C																														
Cyclohexanol	A	A	A	A	A	A	C	C	A	A	A	A	A	A	Oxygen	C	C	A	A	C	C	X	C	C	C	C	A	A																														
Dibenzyl ether	X	X	C																																																							