

Chemical Compatibility

Chemical	AIGI 38	AIGI 39	AIGI 300	AIGI 350	AIGI 126
Acetic acid(10%)	A	A	A	A	A
Acetic acid(100%)	A	A	B	B	A
Acetic aldehyde	A	A	B	B	A
Acetone	A	A	A	A	A
Acetylene	A	A	A	A	A
Acidum benzoicum	A	A	B	B	A
Air	A	A	A	A	A
Aircraft fuel	A	A	C	C	A
Aluminium acetate	A	A	A	A	A
Aluminium chloride	A	A	A	A	A
Aluminium oxide	A	A	A	A	A
Ammonia	A	A	B	B	A
Ammonia carbonate	A	A	A	A	A
Ammonium hydroxide	A	A	A	A	A
Amyl acetic	A	A	B	B	A
Aniline	A	A	B	B	A
Benzene	A	A	C	C	A
Benzenedicarboxylic acid	A	A	A	-	A
Benzyl ether	A	A	C	C	A
BFG(blast furnace gas)	A	A	A	A	A
Bitumen	A	A	A	A	A
Bleach solutions	A	A	A	A	A
Boiler feed water	A	A	A	A	A
Boracic acid	A	A	A	A	A
Borax	A	A	A	A	A
Brine	A	A	A	A	A
Bunker fuel	A	A	C	C	A
Butane	A	A	C	C	A
Butanoic acid	A	A	A	A	A
Butanol	A	A	A	A	A
Calcium chloride	A	A	A	A	A
Calcium hydroxide	A	A	A	A	A
Calcium hypochlorite	A	A	A	A	A
Calcium sulfate	A	A	A	A	A
Carbon dioxide	A	A	A	A	A
Carbon disulphide	A	A	C	C	A
Castor seed oil	A	A	B	B	A
Chlorinated biphenyl	A	A	C	C	A
Chlorine	A	A	C	C	A
Chloroacetic acid	A	A	C	C	A
Chloroethane	A	A	C	C	A
Chromic acid	A	A	C	C	A

Chemical	AIGI 38	AIGI 39	AIGI 300	AIGI 350	AIGI 126
Copper acetate	A	A	A	A	A
Copper sulfate	A	A	A	A	A
Creosote	A	A	B	B	A
Crude oil	A	A	A	C	A
Cyclohexanone	A	A	B	B	A
Cyclohexylamine	A	A	C	C	A
Diesel oil	A	A	C	C	A
Dimethylformamide	A	A	C	C	A
Ethane	A	A	A	A	A
Ethanolamines	A	A	A	A	A
Ether	A	A	B	B	A
Ethyl acetate	A	A	B	B	A
Ethyl alcohol(ethanol)	A	A	A	A	A
Ethylene	A	A	A	A	A
Ethylene glycol	A	A	B	B	A
Ethylene glycol hydraulic fluid	A	A	A	A	A
Fatty acid	A	A	A	A	A
Formaldehyde	A	A	A	A	A
Formamide	A	A	B	B	A
Formic acid(10%)	A	A	A	A	A
Formic acid(85%)	A	A	B	B	A
Frenon 12	A	A	A	C	A
Frenon 22	A	A	A	C	A
Glycerin	A	A	A	A	A
Heptane	A	A	C	C	A
Hydraulic oil	A	A	C	C	A
Hydrobromic acid	A	A	A	A	B
Hydrochloric acid 10%	A	A	C	C	A
Hydrochloric acid 20%	A	A	C	C	A
Hydrochloric acid 37%	A	A	C	C	A
Hydrochloric acid 40%	A	A	C	C	A
Hydrogen chloride	A	A	A	A	B
Hydrogen peroxide	A	A	A	A	B
Isooctane	A	A	A	A	A
Isopropyl alcohol	A	A	A	A	A
Kerosene	A	A	C	C	A
Lactic acid 50%	A	A	A	A	A
Lime water	A	A	A	A	A
Magnesium sulfate	A	A	A	A	A
Maleic acid	A	A	A	A	A
Methane	A	A	A	A	A
Methyl alcohol(methanol)	A	A	A	A	A

Chemical	AIGI 38	AIGI 39	AIGI 300	AIGI 350	AIGI 126
Methyl chloride	A	A	C	A	A
Methyl ethyl ketone	A	A	C	C	A
Methylphenol	A	A	B	B	A
Mineral oils 1#	A	A	B	C	A
Mineral oils 3#	A	A	C	B	A
Naphtha	A	A	C	C	A
Natrium sulfurosum	A	A	A	A	A
Nitric acid 20%	A	A	C	A	A
Nitric acid 40%	A	A	C	C	A
Nitric acid 96%	C	C	C	C	A
Nitrobenzene	A	A	C	C	A
Octylene	A	A	C	C	A
Oleinic acid	A	A	A	A	A
Oleum	A	A	C	C	A
Organic phosphate	A	A	B	B	A
Oxalic acid	A	A	C	C	A
Oxygen	A	A	B	B	A
Palmitnic acid	A	A	A	A	A
Paraffin wax	A	A	C	C	A
Pentane	A	A	C	C	A
Phenol carbonate	A	A	B	B	A
Phenols	A	A	B	A	A
Phosphoric acid	A	A	B	A	A
Postassim nitrate	A	A	A	A	A
Potassium acetate	A	A	A	A	A
Potassium chloride	A	A	C	C	A
Potassium chromate	A	A	A	A	A
Potassium hydroxide	A	A	B	B	B
Potassium permanganate	B	B	A	A	A
Potassium methyl carbonate	A	A	A	A	A
Propane	A	A	B	A	A
PTFE	A	A	C	A	A
Pyridine	A	A	B	-	A

A = Suitable, B = Dependent on Operating Conditions, C = Unsuitable, - = No Data or Insufficient Evidence

Chemical	AIGI 38	AIGI 39	AIGI 300	AIGI 350	AIGI 126
Sea water	A	A	A	A	A
Sillicon oil	A	A	A	A	A
Soap lye	A	A	A	A	A
Sodium aluminate	A	A	A	A	A
Sodium carbonate	A	A	A	A	A
Sodium chloride	A	A	A	A	A
Sodium cyanide	A	A	A	-	A
Sodium hydroxide	A	A	B	A	A
Sodium sillicate	A	A	A	-	A
Sodium sulfide	A	A	A	A	A
Starch	A	A	A	A	A
Steam	A	A	A	A	A
Steam condensate	A	A	A	A	A
Sulfuric acid 20%	A	A	C	A	A
Sulfuric acid 50%	A	A	C	A	A
Sulfurous acid	A	A	B	A	A
Sulphur dioxide	A	A	B	A	A
Tannic acid	A	A	A	-	A
Tartaric acid	A	A	A	-	A
Toluene(toluol)	A	A	C	A	A
Transformer oil	A	A	B	A	A
Trichloroethane	A	A	C	A	A
Trichloromethane	A	A	C	C	A
Turpentine	A	A	C	A	A
Urea	A	A	A	-	A
Vanadium	A	A	A	A	A
Vinyl chloride	A	A	C	C	A
Water	A	A	A	A	A
White spirit	A	A	C	A	A
Xylene	A	A	C	A	A