BELPA ®

Chemical compatibility table

A: Suitable B: Depends on operating conditions C: Not suitable	CSC 120	CSA 50	CSA 25	CSA 45	CSA 55	CSA 56	CSA 320	CSA 90	CSA 420	CSA 502	CSA ACID	BELPAGRAF	BELPAFLON
Acetaldehyde CH3CHO	B	B	B	B	B	B	B	B	B	B	A	A	A
Acetic acid 100% CH3COOH	B	B	B	B	B	B	A	A	A	A	B	A	A
Acetic Ethyl Ester CH3COOC2H5	C	C	C	C	C	C	B	B	B	B	B	A	A
Acetone CH3COCH3	B	B	B	B	B	B	B	B	B	B	B	A	A
Acetylene C2H2	B	B	B	B	B	B	A	A	A	A	B	A	A
Adipic acid COOH(CH2)2COOH	A	A	B	A	A	A	A	A	A	A	A	A	A
Air	A	A	A	A	A	A	A	A	A	A	A	A	A
Alum KA1(SO4)2	A	A	B	B	B	A	A	A	A	A	A	A	A
Aluminium acetate AL(CH3COO)3	A	A	B	B	B	B	A	A	A	A	A	A	A
Aluminium chloride ALCL3	A	A	B	A	A	A	A	A	A	A	A	A	A
Ammonia NH3	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium bicarbonate NH4HCO3	A	A	B	A	A	A	A	A	A	A	A	A	A
Ammonium chloride (NH4)C1	A	A	B	A	A	A	A	A	A	A	A	A	A
Ammonium hydroxide NH4OH	C	C	C	C	C	C	A	A	A	A	B	A	A
Amyl acetate CH3COOC5H11	C	C	C	C	C	C	B	B	B	B	C	A	A
Aviation Fuel (kerosene)	B	B	C	B	B	C	A	A	A	A	C	A	A
Barium chloride BaCl2	A	A	B	A	A	A	A	A	A	A	A	A	A
Benzene (Benzol) C6H6	C	C	C	C	C	C	A	A	A	A	C	A	A
Benzoic acid C6H5COOH	C	C	C	C	C	C	B	B	B	B	C	A	A
Boiler feed water (alkaline)	A	A	A	A	A	A	A	A	A	A	B	A	A

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Borax Na2B4O7l0(H2O)10	B	B	C	B	B	B	A	A	A	A	A	A	A
Boric Acid H3BO3	A	A	A	A	A	A	A	A	A	A	A	A	A
Butane C4H10	B	B	C	C	C	C	A	A	A	A	C	A	A
Butanone (M.E.K)	C	C	C	C	C	C	B	B	B	B	C	A	A
Butyl acetate CH3COOC4H9	C	C	C	C	C	C	B	B	B	B	B	A	A
Butyl alcohol (butanol) C4H9OH	A	A	A	A	A	A	A	A	A	A	B	A	A
Butyric acid C3H7COOH	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium chloride BaCl2	A	A	B	A	A	A	A	A	A	A	A	A	A
Benzene (Benzol) C6H6	C	C	C	C	C	C	A	A	A	A	C	A	A
Benzoic acid C6H5COOH	C	C	C	C	C	C	B	B	B	B	C	A	A
Boiler feed water (alkaline)	A	A	A	A	A	A	A	A	A	A	B	A	A
Borax Na2B4O7l0(H2O)10	B	B	C	B	B	B	A	A	A	A	A	A	A
Boric Acid H3BO3	A	A	A	A	A	A	A	A	A	A	A	A	A
Butane C4H10	B	B	C	C	C	C	A	A	A	A	C	A	A
Butanone (M.E.K)	C	C	C	C	C	C	B	B	B	B	C	A	A
Butyl acetate CH3COOC4H9	C	C	C	C	C	C	B	B	B	B	B	A	A
Butyl alcohol (butanol) C4H9OH	A	A	A	A	A	A	A	A	A	A	B	A	A
Butyric acid C3H7COOH	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Chloride CaCL2	A	A	B	A	A	A	A	A	A	A	A	A	A
Calcium hydroxide (lime water) Ca(OH)2	A	A	B	A	A	A	A	A	A	A	A	A	A

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Calcium hypochlorite Ca(OCL)2	B	B	B	B	B	B	A	A	A	A	A	B	A
Carbon dioxide CO2	B	B	B	B	B	B	A	A	A	A	B	A	A
Carbon disulfide CS2	C	C	C	C	C	C	C	C	C	C	C	A	A
Carbon tetrachloride CC14	C	C	C	C	C	C	B	B	B	B	C	A	A
Castor oil	A	A	B	A	A	A	A	A	A	A	B	A	A
Chlorine (dry) Cl2	C	C	C	C	C	C	A	A	A	A	C	B	A
Chlorine (wet) Cl2	C	C	C	C	C	C	A	A	A	A	C	B	A
Chloroform CHCl3	C	C	C	C	C	C	B	B	B	B	C	A	A
Chromic acid H2CrO4	C	C	C	C	C	C	B	B	B	B	C	C	A
Citric acid (CH2COOH)2C(OH)COOH	A	A	B	A	A	A	A	A	A	A	A	A	A
Clophen T 64	C	C	C	C	C	C	B	B	B	B	C	A	A
Copper Sulphate CuSO4	B	B	B	B	B	B	A	A	A	A	B	A	A
Creosote	C	C	C	C	C	C	A	A	A	A	C	A	A
Cresol C6H4(OH)CH4	C	C	C	C	C	C	B	B	B	B	C	A	A
Cyclohexanol C6H11OH	C	C	C	C	C	C	A	A	A	A	C	A	A
Decalin C10H18	C	C	C	C	C	C	A	A	A	A	C	A	A
Di-benzyl ether (C6H5CH2)2O	C	C	C	C	C	C	C	C	C	C	B	A	A
Di-butyl phthalate C6H4(COOC4H9)2	C	C	C	C	C	C	A	A	A	A	C	A	A
Diesel oil	B	B	C	B	B	C	A	A	A	A	B	A	A
Dimethyl formamide HCON(CH3)2	C	C	C	C	C	C	C	C	C	C	B	A	A
Diphyl (Dowtherm A)	C	C	C	C	C	C	A	A	A	A	C	A	A

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Dyeliquor (alkaline, neutral, acidic)	A	A	B	B	B	B	A	A	A	A	B	A	A
Ethane C2H6	B	B	C	C	C	C	A	A	A	A	C	A	A
Ethyl acetate CH3COOC2H5	C	C	C	C	C	C	B	B	B	B	B	A	A
Ethyl alcohol (ethanol) C2H5OH	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl chloride C2H5Cl	B	B	C	C	C	C	B	B	B	B	C	A	A
Ethylene chloride (CH2Cl)2	C	C	C	C	C	C	C	C	C	C	C	A	A
Ethylene glycol (CH2OH)2	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl ether C2H5OC2H5	C	C	C	C	C	C	A	A	A	A	C	A	A
Formaldehyde HCHO	B	B	B	B	B	B	A	A	A	A	A	A	A
Formic acid 10% HCOOH	B	B	B	B	B	A	A	A	A	A	A	A	A
Formic acid 85% HCOOH	B	B	B	B	B	A	B	B	B	B	A	A	A
Freon 12 Frigen 12 CCl2F2	B	B	C	B	B	A	A	A	A	A	B	A	A
Freon 22 Frigen 22	B	B	B	B	B	A	B	B	B	B	B	A	A
Glycerine (CH2OH)2CHOH	A	A	A	A	A	A	A	A	A	A	A	A	A
Heating oil	B	B	C	B	B	C	A	A	A	A	C	A	A
Heptane C7H16	B	B	C	C	C	C	A	A	A	A	C	A	A
Hydraulic oil (Glycol)	B	B	C	C	C	C	A	A	A	A	B	A	A
Hydraulic oil (mineral)	B	B	C	B	B	C	A	A	A	A	B	A	A
Hydraulic oil (phospate ester)	B	B	C	C	C	C	A	A	A	A	B	A	A
Hydrochloric Acid 20% HCl	C	C	C	C	C	C	A	A	A	A	A	A	A
Hydrochloric Acid 37% HCl	C	C	C	C	C	C	A	A	A	A	B	A	A
Hydrochloric Acid 10% HFl	C	C	C	C	C	C	A	A	A	A	C	A	C

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Hydrogen H2	A	A	B	B	B	B	A	A	A	A	A	A	A
Hydrogen chloride (dry) HCl	C	C	C	C	C	C	A	A	A	A	C	A	A
Hydrogen peroxide (up to 6%ww) H2O2	C	C	C	C	C	C	A	A	A	A	C	A	A
Iso-octane (CH3)3CCH2(CH3)2	B	B	C	C	C	C	A	A	A	A	C	A	A
Iso-propyl alcohol (CH3)2CHOH	A	A	B	A	A	A	A	A	A	A	A	A	A
Kerosene (Paraffin)	B	B	C	B	B	C	A	A	A	A	C	A	A
Lactic acid 50% CH3CHOHCOOH	A	A	B	A	A	A	A	A	A	A	A	A	A
Linseed oil	B	B	C	B	B	C	A	A	A	A	B	A	A
Magnesium sulphate MgSO4	B	B	C	B	B	B	A	A	A	A	B	A	A
Malic acid HOOCCH2CHOHCOOH	B	B	B	B	B	B	A	A	A	A	B	A	A
Methane CH4	B	B	C	C	C	C	A	A	A	A	C	A	A
Methyl alcohol CH3OH	A	A	B	A	A	A	A	A	A	A	A	A	A
Methyl chloride CH3Cl	C	C	C	C	C	C	B	B	B	B	C	A	A
Methylene chloride CH2Cl2	C	C	C	C	C	C	B	B	B	B	C	A	A
Methyl ethyl Ketone CH3COC2H5	C	C	C	C	C	C	C	C	C	C	B	A	A
Mineral oil-ASTM No.1	B	B	C	B	B	C	A	A	A	A	A	A	A
Mineral oil-ASTM No.3	B	B	C	B	B	C	A	A	A	A	B	A	A
Naphta	C	C	C	C	C	C	A	A	A	A	C	A	A
Nitric acid 20% HNO3	C	C	C	C	C	C	C	C	C	C	A	A	A
Nitric acid 40% HNO3	C	C	C	C	C	C	C	C	C	C	C	A	A
Nitric acid 96% HNO3	C	C	C	C	C	C	C	C	C	C	C	A	A
Nitrogen N2	A	A	A	A	A	A	A	A	A	A	A	A	A

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Octane C8H18	C	C	C	C	C	C	A	A	A	A	C	A	A
Oleic acid C17H33COOH	C	C	C	C	C	C	A	A	A	A	C	A	A
Oxalic acid (COOH)2	B	B	B	B	B	B	B	B	B	B	A	A	A
Pentane C5H12	B	B	C	C	C	C	A	A	A	A	C	A	A
Perchloroethylene C2Cl4	C	C	C	C	C	C	B	B	B	B	C	A	A
Petrol	B	B	C	C	C	C	A	A	A	A	C	A	A
Petroleum ether	A	A	B	A	A	B	A	A	A	A	B	A	A
Phenol C6H5OH	C	C	C	C	C	C	C	C	C	C	B	A	A
Phosphoric acid (all conc) H3PO4	B	B	C	B	B	B	A	A	A	A	B	A	A
Phthalic acid C6H4(COOH)2	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium acetate CH3COOK	A	A	B	A	A	B	A	A	A	A	A	A	A
Potassium carbonate K2CO3	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium chlorate KClO3	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium chloride KCl	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium cyanide KCN	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium dichromate K2Cr2O7	B	B	B	B	B	B	A	A	A	A	A	A	A
Potassium hydroxide KOH	B	B	B	B	B	B	B	B	B	B	A	A	A
Potassium hypochlorite KClO	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium nitrate (saltpetre) KNO3	A	A	B	A	A	A	A	A	A	A	A	A	A
Potassium permanganate KMnO4	B	B	C	C	C	C	A	A	A	A	A	B	A
Producer gas (generator gas)	B	B	C	B	B	C	A	A	A	A	C	A	A

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Propane C3H8	B	B	C	C	C	C	A	A	A	A	C	A	A
Pydrol	C	C	C	C	C	C	A	A	A	A	B	A	A
Pyridine C5H5N	C	C	C	C	C	C	B	B	B	B	B	A	A
Rapeseed oil	C	C	C	C	C	C	A	A	A	A	B	A	A
Sea water	A	A	A	A	A	A	A	A	A	A	A	A	A
Silicone oil	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium aluminate Na3AlO3	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bicarbonate NaHCO3	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bisulphite NaHSO3	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium chloride (salt) NaCl	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium hydroxide NaOH	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium silicate (water glass) Na4SiO4	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium sulphate Na2SO4	B	B	B	B	B	B	A	A	A	A	A	A	A
Sodium sulphide Na2S	B	B	B	B	B	B	B	B	B	B	B	A	A
Steam H2O	B	C	C	C	C	C	C	C	C	C	C	A	A
Stearic acid C17H35COOH	B	B	B	B	B	B	A	A	A	A	B	A	A
Sulphur dioxide SO2	B	B	B	B	B	B	B	B	B	B	B	A	A
Sulphuric acid 30% H2SO4	C	C	C	C	C	C	A	A	A	A	A	B	A
Sulphuric acid 50% H2SO4	C	C	C	C	C	C	B	B	B	B	B	B	A
Sulphuric acid 96% H2SO4	C	C	C	C	C	C	C	C	C	C	C	C	A
Sulphurous acid H2SO3	B	B	C	C	C	B	B	B	B	B	B	A	A

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Tannic acid C76H52O46	A	A	B	B	B	A	A	A	A	A	A	A	A
Tartaric acid (CHOHCOOH)2	B	B	C	B	B	C	A	A	A	A	B	A	A
Tetrachlorethane C2H2Cl4	C	C	C	C	C	C	B	B	B	B	C	A	A
Tetralin C10H12	C	C	C	C	C	C	A	A	A	A	C	A	A
Toluene C6H5CH3	C	C	C	C	C	C	A	A	A	A	C	A	A
Town's gas	A	A	A	A	A	A	A	A	A	A	A	A	A
Transformer oil	B	B	C	B	B	C	A	A	A	A	C	A	A
Trichloroethylene C2HCl3	C	C	C	C	C	C	B	B	B	B	C	A	A
Turpentine	B	B	C	C	C	C	A	A	A	A	C	A	A
Vinyl acetate CH3COOC2H3	A	A	A	A	A	A	A	A	A	A	A	A	A
Water H2O	A	A	A	A	A	A	A	A	A	A	A	A	A
White spirit	B	B	C	B	B	B	A	A	A	A	B	A	A
Xylol (Xylene) C6H4(CH3)2	C	C	C	C	C	C	A	A	A	A	C	A	A