

Chemical Compatibility Chart

	Acetal	Acrylic	Buna N	Elgiloy®	EPDM	FKM	Glass	Hastelloy®	LDPE	Nylon	Polycarbonate	Polypropylene	PTFE	PVC	PVDF	Silicone	SS304	SS316	Tygon®	Viton®
Acetic Acid (10%)	ND	C	ND	ND	B	ND	A	A	ND	ND	ND	A	A	A	A	ND	B	A	ND	C
Acetic Acid (20%)	C	C	B	ND	A	C	A	A	A	D	A	A	A	D	A	B	B	A	D	B
Acetic Acid (80%)	D	D	C	ND	A	A	A	A	D	D	B	A	A	C	C	B	D	B	D	B
Acetic Acid Glacial	D	D	C	ND	B	D	ND	A	D	B	B	A	A	D	A	B	C	A	D	D
Acetone	A	D	D	A	A	D	A	A	B	A	D	A	A	D	D	D	A	A	D	D
Acetonitrile	A	ND	C	A	A	D	ND	B	ND	A	ND	D	A	ND	B	ND	A	A	ND	ND
Ammonium Hydroxide	C	A	D	A	A	A	A	B	A	A	D	A	A	A	A	A	A	A	A	B
Amyl Acetate	B	C	D	A	A	D	ND	A	C	B	D	B	A	D	A	D	A	A	D	D
Amyl Alcohol	A	C	B	A	A	A	A	A	B	A	B	B	A	A	A	D	A	A	D	A
Aniline	A	ND	D	A	B	A	A	B	C	A	D	A	A	C	A	B	A	B	D	A
Benzene	A	D	D	A	D	D	A	B	C	A	D	D	A	C	A	D	B	B	C	A
Benzyl Alcohol	A	D	D	ND	B	A	ND	A	D	B	ND	A	A	D	A	ND	B	B	D	A
Boric Acid	A	A	A	A	A	A	A	A	A	B	ND	A	A	A	A	A	B	A	A	A
Bromoform	ND	ND	ND	ND	D	A	ND	ND	D	A	D	D	A	ND	ND	ND	ND	ND	ND	ND
Butanol	A	D	C	A	A	A	A	A	A	D	A	A	A	A	A	B	A	A	A	A
Butyl Acetate	A	ND	D	A	B	D	ND	A	C	A	D	B	A	D	B	D	B	A	D	D
Butyl Cellosolve	A	ND	B	ND	A	D	ND	ND	ND	ND	ND	ND	A	ND	B	ND	ND	ND	ND	ND
Carbon Tetrachloride	B	ND	D	A	D	A	A	A	D	D	D	D	A	D	A	D	B	B	B	A
Cellosolve	A	ND	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	A	D	D	A	D	B	A	A	C	A	D	C	A	D	A	D	A	A	B	A
Cyclohexane	A	C	B	A	B	A	A	B	B	A	B	D	A	D	A	D	A	A	D	A
Diethyl Acetamide	ND	ND	ND	ND	ND	ND	ND	ND	C	A	D	A	A	ND	ND	ND	ND	ND	ND	ND
Dimethyl Sulfoxide (DMSO)	D	ND	ND	A	ND	ND	ND	ND	ND	A	ND	A	A	ND	ND	ND	ND	ND	ND	ND
Dimethylformamide (DMF)	D	D	D	A	B	D	ND	ND	A	A	D	A	A	D	D	C	A	B	D	C
Dioxane	ND	ND	D	A	ND	D	ND	ND	ND	A	ND	C	A	ND	C	ND	ND	A	ND	ND
Ethanol	A	D	C	A	A	A	A	A	B	A	B	A	A	C	ND	B	A	A	C	A
Ethyl Ether	A	D	D	A	D	D	A	B	D	A	ND	D	A	D	A	D	B	B	ND	D
Ethylene Dichloride	B	ND	D	A	C	B	A	B	D	A	D	D	A	D	A	D	B	B	D	A

A – Excellent B – Good C – Fair D – Poor ND – No Data

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	Acetal	Acrylic	Buna N	Elgilloy®	EPDM	FKM	Glass	Hastelloy®	LDPE	Nylon	Polycarbonate	Polypropylene	PTFE	PVC	PVDF	Silicone	SS304	SS316	Tygon®	Viton®
Ethylene Glycol	B	A	A	A	A	A	A	B	A	A	B	A	A	A	A	A	B	B	B	A
Formaldehyde	A	D	C	A	A	A	A	A	B	D	A	C	A	A	A	B	C	A	B	A
Freon TF	A	ND	A	ND	D	B	ND	A	ND	D	ND	D	A	B	B	D	A	A	D	B
Gasoline	A	D	A	A	D	A	A	A	A	A	A	A	B	A	A	D	A	A	A	A
Glycerin (Glycerol)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hexane	A	C	A	A	D	A	A	A	D	B	D	B	A	B	A	D	A	A	D	A
Hydrochloric Acid (20%)	C	C	ND	ND	A	A	ND	A	A	D	B	B	A	A	A	D	D	D	A	A
Hydrochloric Acid (37%)	C	C	B	ND	D	C	A	B	B	D	D	C	A	B	A	B	D	D	A	A
Hydrofluoric Acid (20%)	D	C	D	ND	D	D	ND	B	A	C	D	A	A	B	A	D	D	D	C	A
Hydrofluoric Acid (50%)	D	C	D	ND	D	D	ND	B	A	D	D	A	A	B	A	D	D	D	C	B
Hydrofluoric Acid (75%)	D	D	D	ND	D	C	ND	B	C	D	D	C	A	C	A	D	D	D	C	B
Hydrofluoric Acid (100%)	D	D	D	ND	D	D	ND	B	ND	D	D	C	A	C	A	D	B	B	D	B
Hydrogen Peroxide (10%)	D	C	D	ND	A	A	A	A	A	C	A	A	A	A	A	A	B	B	B	A
Hydrogen Peroxide (30%)	D	C	D	ND	D	A	A	A	C	D	A	B	A	A	A	B	B	B	B	A
Hydrogen Peroxide (50%)	D	D	D	ND	B	A	ND	A	C	D	A	B	A	A	A	B	B	A	B	A
Hydrogen Peroxide (100%)	D	D	D	ND	D	A	ND	A	C	D	A	B	A	A	A	B	B	A	B	A
Isobutanol	A	C	B	A	A	A	A	A	A	A	ND	A	A	A	ND	A	A	A	A	A
Isopropanol	A	A	B	A	A	A	A	A	A	D	A	A	A	A	ND	A	B	B	A	A
Isopropyl Acetate	D	ND	D	ND	B	D	ND	B	B	B	D	B	A	D	D	D	C	A	ND	D
Kerosene	A	ND	A	A	D	A	A	B	C	A	D	B	A	A	A	D	A	A	D	A
Methanol	A	C	A	A	A	C	A	A	A	B	B	A	A	A	A	A	A	A	A	C
Methyl Acetate	B	D	D	A	B	D	ND	A	B	A	D	D	A	D	B	D	A	B	A	D
Methyl Cellosolve	D	A	A	A	B	D	ND	ND	ND	C	D	B	A	D	A	D	B	B	C	D
Methyl Ethyl Ketone (MEK)	C	D	D	A	A	D	A	A	D	A	D	B	A	D	D	D	A	A	D	D

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Methyl Isobutyl Ketone	ND	D	D	A	B	D	ND	A	C	B	D	A	A	D	D	D	B	B	ND	D
Methylene Chloride	B	D	D	A	C	B	ND	B	D	C	D	B	A	D	B	ND	B	A	D	B
Mineral Oil	A	A	A	ND	D	A	A	A	B	A	B	A	A	B	A	C	A	A	B	A
Nitric Acid (5-10%)	D	A	D	ND	A	A	A	A	B	D	A	A	A	A	A	C	A	A	D	A
Nitric Acid (20%)	D	A	D	ND	D	A	ND	A	C	D	B	A	A	A	A	D	A	A	D	A
Nitric Acid (50%)	D	C	D	ND	D	D	ND	A	B	D	B	B	A	B	A	D	A	A	D	A
Nitric Acid (68%)	D	D	D	A	D	A	ND	B	C	D	C	D	A	B	A	D	A	A	D	A
Nitrobenzene	C	D	D	A	B	A	A	D	C	B	D	B	A	D	A	D	B	B	D	B
Pentane	B	ND	A	A	D	A	ND	A	D	A	A	D	A	A	A	D	C	C	A	A
Perchloroethylene	B	ND	C	A	D	A	A	B	D	C	D	D	A	C	A	D	B	A	C	A
Petroleum	B	ND	A	ND	D	A	ND	ND	C	A	ND	B	A	ND	A	D	A	A	ND	A
Phosphoric Acid (10%)	ND	ND	A	ND	A	ND	ND	ND	ND	D	ND	A	A	ND	A	ND	A	ND	ND	ND
Phosphoric Acid (>40%)	D	C	D	ND	B	A	A	A	B	B	A	A	A	B	B	D	D	D	D	A
Potassium Hydroxide	A	B	B	A	B	A	B	B	A	C	D	A	A	B	A	C	B	A	B	B
Propanol	A	B	A	A	A	A	A	A	A	D	ND	A	A	A	A	A	A	A	A	A
Pyridine	B	D	D	A	B	D	ND	B	B	C	D	A	A	D	D	D	A	A	D	D
Salt Brine (NaCl sat.)	ND	A	A	A	A	A	ND	A	A	A	A	A	A	A	A	A	B	A	ND	A
Sodium Hydroxide (20%)	A	ND	A	ND	B	B	ND	B	D	A	A	A	A	A	A	A	B	B	A	C
Sodium Hydroxide (50%)	A	ND	A	ND	B	B	B	C	D	A	D	A	A	A	A	A	B	B	A	D
Sodium Hydroxide (80%)	D	A	D	ND	B	B	B	A	D	C	D	A	A	A	A	A	C	B	A	D
Sodium Hypochlorite (<20%)	D	A	B	ND	B	A	ND	A	A	D	C	A	A	A	A	B	C	C	C	A
Sodium Hypochlorite (100%)	D	ND	D	A	B	A	A	A	B	D	ND	A	A	B	A	B	D	D	ND	A

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Sulfuric Acid (<10%)	D	A	A	ND	A	A	ND	B	A	C	A	A	A	A	A	C	D	B	B	A
Sulfuric Acid (10-75%)	D	D	B	ND	B	A	ND	B	A	D	B	A	A	A	A	D	D	D	ND	A
Sulfuric Acid (75-100%)	ND	D	C	ND	B	A	B	B	B	D	D	C	A	D	A	D	C	D	D	A
Tetrahydrofuran	A	ND	D	A	D	D	ND	A	C	A	D	C	A	D	B	D	A	A	ND	D
Toluene	C	D	D	A	D	A	A	A	C	A	D	C	A	D	A	D	A	A	D	A
Trichloroethane	A	ND	D	A	D	A	ND	A	ND	C	D	C	A	C	A	D	B	B	ND	A
Trichloroethylene	D	D	D	A	D	D	A	A	D	C	ND	C	A	D	B	D	B	B	ND	A
Triethylamine	D	A	C	A	A	A	A	ND	ND	A	ND	D	A	B	A	ND	A	A	A	A
Turpentine	A	B	ND	A	D	A	A	B	D	B	D	D	A	D	A	D	A	A	B	A
Xylene	A	D	D	A	D	A	A	A	B	A	D	B	A	D	A	D	B	B	D	B

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