

This chart lists the compatibility of materials with many common workplace chemicals. The information is believed to be accurate. However, the chart is for general use only, and is not a guarantee of chemical compatibility. Ben

Meadows can assume no responsibility for the use of this information. Variations in temperature, pressure or concentration may affect the chemical resistance of a material.

CHEMICAL	LDPE	HDPE	PP	PVC	TEFLON®	NYLON	BUNA-N	VITON	ALUMINUM	CARBON STEEL	STAINLESS STEEL 316	STAINLESS STEEL 304
Acetic acid, glacial	B	A	B	D	A	D	C	D	A	D	A	C
Acetone	D	D	A	D	A	A	D	D	A	A	A	A
Acetonitrile	A	A	C	D	A	nt	D	D	B	A	A	A
Acrylonitrile	A	A	C	D	A	A	D	D	B	A	A	A
Alcohols:												
Amyl	A	A	nt	nt	A	A	B	B	B	B	A	A
Benzyl	D	C	D	C	A	D	D	A	B	B	A	A
Ethyl	B	A	B	C	A	A	C	A	B	B	A	A
Hexyl	B	B	nt	nt	A	A	A	A	A	A	A	A
Isobutyl	A	A	A	C	A	A	B	A	B	nt	A	A
Isopropyl	A	A	A	C	A	B	B	A	B	A	A	A
Methyl	A	A	A	C	A	A	A	B	A	A	A	A
Aluminum Hydroxide	B	A	B	B	A	A	A	A	B	nt	C	A
Ammonium Chloride	nt	A	nt	nt	A	C	B	A	C	D	D	C
Ammonium Hydroxide	B	A	B	C	A	A	D	B	B	D	A	A
Amyl Acetate	C	B	C	D	A	C	D	D	A	B	A	A
Amyl Chloride	D	C	D	D	A	C	nt	B	A	A	A	A
Aniline	B	B	C	D	A	C	D	C	C	B	B	A
Benzaldehyde	B	A	B	D	A	C	D	D	B	A	B	B
Benzene	D	D	D	D	A	A	D	A	B	A	B	B
Bromine	D	D	D	D	A	D	D	A	D	D	D	D
Butadiene	D	D	D	D	A	A	D	B	A	A	A	A
Butyric Acid	D	D	D	D	A	B	D	B	B	D	B	B
Calcium Hydroxide	A	A	A	B	A	A	A	A	C	C	B	C
Calcium Hypochlorite	A	A	A	D	A	C	C	A	D	D	B	C
Chloroform	D	D	D	D	A	D	D	A	B	B	A	B
Cresols	D	D	C	D	A	D	D	A	A	A	A	A
Cyclohexane	D	D	D	D	A	A	A	A	A	B	A	A
Cyclohexanone	D	D	D	D	A	A	nt	D	A	B	A	A
Diethylamine	D	D	C	D	A	A	C	D	B	A	B	nt
Diethylene Glycol	A	A	A	D	A	A	A	A	B	nt	A	A
Ethyl Acetate	A	A	A	D	A	A	D	D	B	A	B	B
Ethylene Glycol	A	A	A	D	A	B	A	A	B	A	A	A
Fatty Acids	B	A	B	B	A	A	B	A	A	D	A	B
Formaldehyde 40%	B	A	B	D	A	C	B	A	B	A	A	A
Gasoline	D	B	C	D	A	A	A	A	A	A	A	A
Heptane	D	C	C	D	A	A	A	A	A	A	A	A
Hexane	D	C	C	D	A	A	A	A	A	A	A	A
Hydrazine	D	D	D	D	A	nt	B	A	nt	D	A	A
Hydrochloric acid, 20%	A	A	A	B	A	D	nt	A	D	D	D	D
Hydrochloric acid, 100%	nt	nt	nt	D	nt	D	D	A	D	D	D	D
Hydrofluoric acid, 20%	A	A	A	A	nt	C	B	A	D	D	D	D
Hydrofluoric acid, 100%	nt	nt	nt	nt	nt	D	D	A	D	D	B	B
Hydrogen peroxide,30%	B	A	B	C	A	D	nt	A	A	nt	B	B
Isopropyl acetate	C	B	C	D	A	B	D	D	B	B	A	C
Kerosene	D	B	C	D	A	A	A	A	A	A	A	A
Mercury	A	A	A	C	A	A	A	A	nt	A	A	A
Methyl Acetate	D	C	C	D	A	A	D	D	A	A	A	A
Methyl Ethyl Ketone	D	D	B	D	A	A	D	D	A	A	A	A
Methylene Chloride	D	D	D	D	A	C	D	B	A	B	B	B

CHEMICAL	LDPE	HDPE	PP	PVC	TEFLON®	NYLON	BUNA-N	VITON	ALUMINUM	CARBON STEEL	STAINLESS STEEL 316	STAINLESS STEEL 304
Mineral Spirits	D	D	D	D	A	A	A	A	A	nt	A	A
Nitric acid, 50%	D	D	D	D	A	D	D	A	C	D	A	A
Nitrobenzene	D	D	D	D	A	B	D	B	A	B	A	B
Phosphoric acid, >40%	A	A	B	C	A	B	D	A	B	D	B	A
Potassium Hydroxide, 80%	A	A	A	C	A	C	B	B	D	nt	B	B
Propylene Glycol	A	A	A	C	A	nt	A	A	B	A	B	B
Silver Nitrate	B	A	B	B	A	A	B	A	D	D	B	B
Sodium Hydroxide, 80%	B	C	A	C	A	C	B	B	D	D	C	B
Sodium Hypochlorite, <20%	A	A	C	C	A	D	B	A	D	D	C	C
Sulfuric acid, <10%	A	A	A	B	A	C	D	A	D	D	B	D
Sulfuric acid, 10-75%	B	A	B	D	A	D	D	A	D	D	D	D
Sulfuric acid, 75-100%	B	B	C	D	A	D	D	A	D	D	D	C
Tetrachloroethane	nt	nt	nt	D	nt	C	D	A	C	A	A	B
Tetrachloroethylene	nt	nt	nt	D	nt	A	D	A	nt	A	A	nt
Toluene	D	B	C	C	A	A	D	A	A	A	A	A
Trichloroethane	D	D	D	D	B	C	D	A	C	B	A	B
Trichloroethylene	D	D	D	D	A	C	C	A	A	D	B	B
Xylene	C	C	D	D	A	A	D	A	A	B	A	A

A=EXCELLENT

B=GOOD

C=FAIR

D=NOT RECOMMENDED

nt=NO TEST DATA AVAILABLE

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