



CHEMICAL COMPATIBILITY OF FABRICS WITH COMMON CHEMICALS

MINERAL ACIDS

A=Excellent Suitability B=Limited Suitability C=Not Recommended

Max. Operating Temperature °F	Draylon T [®] (Poly Acrylic) 275	Acrylic (Poly Acrylic) 275	Nomex [®] 375	Polyester 275	Polypropylene 170	Teflon [®] 500	Glass 500	P84 500
Chromium Trioxide (Cr O ₃) (Chromic Acid Anhydride)	A	A	C	A	B	A	A	B
Hydrogen Chloride (H Cl) (Hydrochloric Acid) (Muriatic Acid)	A	A	B	A	A	A	A	B
Hydrofluoric Acid (HF)	A	A	C	B	A	A	C	B
Nitric Acid (HN O ₃)	A	A	B	A	B	A	A	B
Triphosphoric Acid (HO) ₃ P(O)	A	B	A	A	A	A	A	B
Sulphuric Acid (H ₂ SO ₄) (Sulphuric Acid) (Vitrol)	B	B	B	B	A	A	A	B



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Acetic Acid (C ₂ H ₄ O ₂)	A	A	A	A	A	A	A	B
Benzoic Acid (C ₇ H ₆ O ₂)	A	A	B	A	A	A	A	B
Phenol (C ₆ H ₆ O) (Carbolic Acid)	A	A	C	B	-	A	C	B
Formic Acid (CH ₂ O ₂)	A	A	B	A	A	A	A	C
Lactic Acid (C ₂ H ₅ O ₃)	A	A	B	A	A	A	B	B
Oxalic Acid (C ₂ H ₂ O ₄) (Acid of Sugar)	A	A	C	A	A	A	A	B
Salicylic Acid (C ₇ H ₅ O ₃)	A	A	B	A	A	A	C	B



CHEMICAL COMPATIBILITY OF FABRICS WITH COMMON CHEMICALS

ORGANIC SOLVENTS

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Max. Operating Temperature °F	Draylon T [®] (Poly Acrylic) 275	Acrylic (Poly Acrylic) 275	Nomex [®] 375	Polyester 275	Polypropylene 170	Teflon [®] 500	Glass 500	P84 500
Methanol (CH ₄ O)	A	A	A	A	A	A	A	C
MEK	A	A	A	A	B	A	A	B
Nitrogen (N)	A	A	A	A	B	A	A	B
Ethylenes trichloro (C ₂ H CL ₃)	A	A	A	A	A	A	A	B
Methyl Benzine (C ₆ H ₅ CH ₃) (Toluene)	A	A	A	A	B	A	A	C
O-Xylene (C ₆ H ₄ (CH ₃) ₂)	A	A	A	A	B	A	A	C



CHEMICAL COMPATIBILITY OF FABRICS WITH COMMON CHEMICALS

SALTS

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Max. Operating Temperature °F	Drayton T [®] (Poly Acrylic) 275	Acrylic (Poly Acrylic) 275	Nomex [®] 375	Polyester 275	Polypropylene 170	Teflon [®] 500	Glass 500	P84 500
Calcium Chloride (Ca Cl ₂)	A	A	B	A	A	A	B	B
Ferrous Chloride (Fe Cl ₂ 4H ₂ O)	A	A	B	A	A	A	C	B
Sodium Acetate (C ₂ H ₄ Na O ₂)	A	A	B	A	A	A	B	B
Sodium pyrosulfite(Na ₂ O ₆ S ₂) (metan sulfite)	C	A	B	A	A	A	A	B
Sodium Bromide (Na Br)	A	A	A	A	A	A	C	C
Sodium Perchbrate (Cl Na O ₄)	A	A	A	A	A	A	-	B
Sodium Cyanide (Na Cn)	A	A	B	A	A	A	B	B
Sodium Nitrate (Na NO ₃) Chile Saltpeter)	A	A	B	A	A	A	B	B
Sodium Sulfate (Na ₂ SO ₄) (Glaubers Salt)	A	A	A	A	A	A	B	B
Sodium Sulfide (Na ₂ S)	A	A	A	A	A	A	B	B
Zinc Chloride (Cl ₂ Zn)	B	B	B	A	A	A	C	C



CHEMICAL COMPATIBILITY OF FABRICS WITH COMMON CHEMICALS

OXIDIZING AGENTS

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Max. Operating Temperature °F	Draylon T [®] (Poly Acrylic) 275	Acrylic (Poly Acrylic) 275	Nomex [®] 375	Polyester 275	Polypropylene 170	Teflon [®] 500	Glass 500	P84 500
Bromine Calcium (Br)	B	B	-	B	A	A	A	B
Calcium Hypochlorite (Ca(OCl) ₂)	A	A	-	A	A	A	A	B
Carbon (C) (Graphite/Diamond)	B	B	-	B	A	A	A	B
Fluorine (F)	B	B	-	B	A	A	C	B
Hydrogen Peroxide (H ₂ O ₂)	A	A	-	B	A	A	A	B
Iod	A	A	-	A	A	A	A	B
Ozone (O ₃)	A	A	-	-	B	A	A	B
Potassium Chloride (K Cl) (Sylvine)	A	A	B	A	A	A	A	B
Sodium Chlorate (Na Cl O ₃)	-	A	-	-	A	A	A	B
Sodium Hypochlorite (Na OCl) (Eau-de-Labarraque)	B	A	-	B	B	A	A	B



CHEMICAL COMPATIBILITY OF FABRICS WITH COMMON CHEMICALS

MISCELLANEOUS

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Acetaldehyde (H ₃ C-CHO) (Aldehyde)	A	A	A	A	-	A	A	B
Vinyl Alcohol (H ₂ C-CH ₂ O) (Ethenolivinol)	A	A	A	A	B	A	A	B
Glycerol (C ₃ H ₈ O ₃) (Glycerin)	A	A	A	A	A	A	A	B
Glycol (C ₂ H ₆ O ₂)	A	A	A	C	A	A	A	B
Mineral Oil	A	A	A	A	A	A	A	B
Benzine, Nitro (C ₆ H ₅ NO ₂) (Essence of Mirbane)	A	A	A	A	A	A	A	B
Butane CH ₃ . (CH ₂) ₂ -CH ₃)	A	A	A	A	B	A	A	C