

Chemical Name	Formula	PP	HDPE	PVDF	PTFE/PFA	Acetal/POM	Polycarbonate	PPS	PEEK™
Chlorine (Anhydrous) (Dichlorine, Chlorinated water)	CL₂	NR	A to 2% to 60° NR	A to 100% to 90° AB at 100% to 110° NR	A	NR at 10-100% at 20°	NR at 20°	NR	A to 10% to 20° NR Conc. @ 20°
Citric Acid	C₆H₈O₇	A	A to 100% to 70° AB to 100% at 80°	A	A	AB at 15% at 60-65° B at 15-100% at 20° C at 100% at 60-65° AB to 100% to 60°	A to 100% to 20° B at 10-15% at 50° C at 15% at 65° A to 100% to 20°	A to 105°	A to 100°
Copper Sulfate (Cupric Sulfate)	CuO₄S	A	A to 50% to 65° AB at 50-100% to 80°	A	A	A to 100% to 60°	A to 100% to 20°	A to 105°	A to 100°
Corn Oil	No Formula	A	A	A	A	AB	A	A to 40°	A to 20°
Corn Syrup	No Formula	A				AB	A		
Cotton Seed Oil	No Formula	A				AB	A		
Cyclohexanone (Cyclohexyl ketone)	C₆H₁₀O	AB to 20° B at 20-40° NR at 50°	NR	AB to 50°	A to 260°	A to 20° AB to 60°	NR at 20°	A to 90°	A to 20°
Dichloroacetic Acid (DCA)	CL₂CHCO₂H	AB to 100% to 50°	BC at 20°	AB to 50% to 100° AB 100% to 50°	A	NO DATA	NO DATA	NO DATA	NO DATA
Dichloromethane (Methylene Dichloride)	CH₂CL₂	B/NR @ 20° C/NR @ 30-50°	NR	AB to 40° B 100% 40 - 50°	A	A to 20°	NR at 20°	A 100% to 20° A/NR 40% @ 40°	NR
Dimethyl Acetamide (DMAC)	C₄H₉NO	AB to 50°F	A to 50°	NR	A	NO DATA	NR at 20°	NO DATA	NO DATA
DI water	H₂O	A	A to 60°	A	A	NO DATA	NO DATA	A to 90°	A
Ethyl Alcohol (Ethanol/Grain Alcohol)) (Denatured Alcohol)	C₂H₅OH	A to 100% to 80°	A to 100% to 70°	A to 100% to 80° AB to 100% to 135°	A	A at 96-100% to 20° B at 100% at 50-80°	A to 90% to 20° AB at 96-100% to 20° B at 40-100% at 50°	A	A to 100°
Ethylene Glycol (Glycol Alcohol)	HOCH₂-CH₂OH	A	A to 70°	A	A	A to 100% to 50° AB to 60° B at 80°	A to 70° B to 90°	A to 90°	A to 100°
Ethyl Acetate (Acetic Ether)	C₄H₈O₂	A to 80°	BC at 100% at 20° C at 100% at 50° NR at 100% at 60°	A to 20° B at 40 - 50° NR @ 70°	A	A to 10% to 90° AB at 100% to 20° BC at 100% at 60°	NR at 85-100% at 20°	A 100% to 40°	A to 20°
Ether (Ethyl Ether) (Diethyl Oxide)	C₄H₁₀O	NR	NR at 100% at 60°	AB to 30° B @ 40° NR @ 60°	A	A to 20° AB at 60°	NR at 20°	A to 90°	A to 100°
Formic Acid (Formylic Acid)	CH₂O₂	A to 100% to 20° A to 40% to 40° C 100% @ 60°	A to 100% to 40° AB at 50-100% at 60° BC at 100% at 80°	A to 100% to 100°	A	NR at 3-100% at 20°	A to 50% to 20° AB at 50-100% to 20° B at 3-50% at 50°	A to 100% to 20° A to 40% to 90° NR @ 37% @ 65°	AB to 10% to 20° BC 100% @ 20°
Gasoline (Petrol)		NR at 20°	NR	A to 135° AB to 140°	A to 260°	A to 20°	C at 20°	A to 80°	A to 100°
Glycerin (Glycerol)	C₃H₈O₃	A to 100% to 105°	A to 70° A to 65° AB to 80°	A to 100% to 135° AB at 100% at 140°	A to 230°	A to 60°	A to 50°	A to 90°	A to 100% to 20°
Hexane (Dipropyl) (N-Hexane)	C₆H₁₄	BC @ 20-40° C @ 40-60° NR @ 60°	NR	A	A	A to 20°	A to 70° NR at 25-50°	A to 90°	A to 20°
HMDS (1,1,1,3,3,3-Hexamethyldisilazane)	C₆H₁₉NSi₂	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	NO DATA
Bis(trimethylsilyl)amine Hydrobromic Acid (Hydrogen Bromide)	HBr	A 20% to 105° A to 50% to 65° B Conc. to 85°	A to 20% to 70° A to 50% to 60° AB 50-100% at 20-65°	A dilute to 120° A to 37% to 20° A 38-100 to 135°	A	NR	NR at 30-100% at 20°	A to 37% to 40° A to 20°	NR

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Hydrochloric Acid (Muriatic Acid)	HCL	A to 100% to 20° A to 36% to 65° A to 10% to 85°	A to 100% to 60° A to 40% to 70° AB to 40% to 65°	A to 38% to 90° A to 50% to 80° AB 40-70% to 20°	A	A to 10% to 20° NR at 30-100% at 20°	A to 10% to 90° AB at 20% at 20-90°	A to 10% to 90°	A to 100°
Hydrofluoric Acid	HF	A to 50% to 60° A to 40% to 90° A to 30% to 105°	A to 60% to 60° A to 40% to 80° A to 30% to 70°	A to 100% to 100°	A	NR at 20°	A to 10% to 80° AB at 20% to 20° BC at 35% at 20°	A to 50% to 60° A to 35% to 90° NR > 50%	NR 4-100% @ 20°
Hydrogen Peroxide (Hydrogen Dioxide)	H₂O₂	A to 80% to 20° A to 5% to 70° NR 30% > 50° AB to 100% @ 25°	A to 30% to 60° AB at 30-90% to 50° AB at 30-100% to 20°	A to 90° A to 30% to 100°	A	NR at 4-100% at 20°	A to 100% to 50°	A to 10 to 90° AB to 30% to 40° NR 50-100% @ 20°	A to 100°
Iodine	I₂	A to 100% @ 25° AB to 100% @ 80°	A to 6.5% to 20°	A to 100% to 75° C 100% @ 100°	A	A to 20° C/NR at 100% at 20°	NR	NR	BC @ 20°
Isopropyl Alcohol (IPA) (Isopropanol)	(CH₃)₂CH-OH	A to 105°	A to 70°	A to 65° AB to 70°	A	A to 20°	A to 50°	A to 90°	A to 20°
LIMONENE/DL-LIMONENE (Orange Oil)	C₁₀H₁₆	B @ 20° C @ 50°	B @ 20° C @ 50°	A to 125°	A to 50°	NR @ 20°	C @ 20 - 50°	NO DATA	NO DATA
Methyl Alcohol (Methanol) (Wood Alcohol)	CH₃OH	A to 20° BC 100 @ 80°	A to 100% to 50° AB at 100% at 60° B/NR at 100% at 80°	A to 65° AB 100-125°	A	A to 60° B at 80°	AB at 50% to 20° B at 20° C at 50°	A to 65°	A to 100°
Methylene Chloride	CH₂CL₂	NR	NR	AB to 40°	A	A to 20°	NR at 20°	A 100% to 20°	A to 20°
Methyl Ethyl Keytone (MEK)	C₄H₈O	A to 100% to 20° AB at 100% at 50°	NR	NR	A to 260°	A to 20° AB at 20-80°	NR at 100% at 20°	A to 100% to 20°	A to 100°
MINNCARE® Cold Sterilant (Hydr. Peroxide, Peracetic acid, Acetic acid)	H₂O₂ C₂H₄O₃ C₂H₄O₂	A	A	AB	A	NO DATA	A	A	A
N-Methyl 2-Pyrrolidone	NMP CH₃N(CH₂)₃CO	A	NO DATA	C/NR @ 20°	A	NO DATA	NO DATA	A to 20°	A
Nitric Acid (Hydrogen Nitrate)	HNO₃	A to 50% to 40° A to 30% to 80° A to 10% to 100°	A to 30% to 60° A to 40% to 20° AB at 50% to 20°	A to 98% to 20° A to 90% to 60° A to 30% to 100°	A	NR	A to 20% to 20° AB at 20-50% to 20° B to 10% at 50°	A to 30% to 40° AB to 40% to 25° NR 50-100% @ 20°	A to 30% to 20° A to 10% to 100° NR 50% @ 20°
Oxalic Acid (Ethanedioic Acid)	C₂H₂O₄	A to 100% to 60° A to 50% to 80°	A to 100% to 70° AB to 100% to 80° NR at 100% at 100°	A to 100% to 50° A to 60% to 100° B @ 100% @ 70°	A	C at 5% at 20-65° C at 10% at 20°	A to 10% to 20° B at 20°	A	A
Ozone (trioxygen)	O₃	NR	AB weak conc. At 20° C sat'd in H ₂ O at 20° NR at 2-100% at 40°	A	A	NR	AB 10 ppm in H ₂ O at 20° NR 1-100% at 20°	NO DATA	A to 100°
Phosphoric Acid	H₃PO₄	A to 85° A to 75% to 105°	A to 100% to 60° A to 75% to 70° AB to 90% at 80°	A A 85% to 110°	A	C at 0.3-10% at 20° NR at 10-100% at 20°	A to 100% to 20° A to 25% to 70° B at 85% at 50°	A	A to 100°
Propylene Glycol (PG-12)	C₃H₈O₂	AB to 70°	A to 60° AB at 80°	A to 135° AB at 140°	A to 260°	A to 20°	BC at 20° C/NR at 50°	A to 20°	NO DATA
PGMEA (Propylene Glycol Monomethyl Ether Acetate)	C₆H₁₂O₃	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
PGME (Propylene Glycol Monomethyl Ether) (Dowtherm 209 / Dowanol PM)	C₄H₁₀O₂	A to 60° AB to 65°	NO DATA	AB	A	NO DATA	NO DATA	A	B
Potassium Carbonate (Carbonic Acid) (Potash)	CK₂O₃	A to 105°	A to 70° AB at 80°	A to 100% to 135° AB to 100% at 140°	A to 100% to 260°	A at 60-100% to 80°	A at 5% to 20° NR at 20°	A to 100% to 90°	A at 60-100% to 20°
Potassium Hydroxide (Caustic Potash)	KOH	A A 70% to 85°	A to 100% to 70° AB to 100% at 80°	*A to 25% to 60° A to 10% to 140° A 60-100% to 100°	A	B to 100% to 80°	C at 1% at 20° NR at 1% at 50° NR at 5-100% at 20°	A to 90° A to 50% to 130°	A to 100°
Potassium Permanganate	KMNO₄	A to 100% to 20° A to 25% to 60° A to 10% to 80°	A to 100 % to 70° A to 10% to 80° AB at 20% to 80°	A	A	A to 10% to 60° NR conc.-100% at 20°	A to 100% to 90°	A to 90°	A to 20°
Pyridine	C₅H₅N	A to 100% to 25°	BC at 20°	NR	A	AB to 20°	NR at 20°	A to 90°	A to 100°

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(Azine)		AB 100% 50-80° NR 100% @ 50°	C at 60°						
Sodium Bicarbonate (Baking Soda)	CHNaO ₃	A to 105°	A to 70° AB at 80°	A to 100% to 135° AB to 100% at 140°	A to 100% to 260°	A to 30°	A to 100% to 90°	A to 100% to 150°	A to 120°
Sodium Carbonate (Soda Ash)	CNa ₂ O ₃	A to 100% to 105°	A to 100% to 70° AB to 100% at 80°	A to 100% to 135° AB to 100% at 140°	A to 100% to 260°	A to 100% to 60° A to 20% to 80°	A to 100% to 90°	A to 100% to 150°	A to 100% to 100°
Sodium Hydroxide (Caustic Soda)	NaOH	A to 50° A to 70% to 105°	A to 100% to 60° A to 70% to 70° AB to 100% at 80°	A to 50% to 20° A to 20% to 40° A to 15% to 80°	A	A to 60% to 80° AB at 60-80% to 80° BC at 80-100% at 20°	A to 20% to 50° A to 15% to 90° C at 25% at 20-50°	A to 100% to 20° A to 50% to 60° A to 20% to 90°	A to 100% to 20° A to 54% to 200°
Sodium Hypochlorite (Bleach)	CLNaO	A to 100% to 20° A to 5% to 50° NR @ 50°	A to 100% to 70° AB to 100% at 80°	A to 17% AB to 100%	A	NR at 10-100% at 20°	A to 10% to 20° AB to 100% to 20° C at 15% at 50-65°	BC 5% to 90°	AB to 100%
Soybean Oil	No Formula	A	A	A	A	A	A	A	A
STERIS® CIP 100 (Potassium Hydroxide & Tetrasodium EDTA)	Alkaline Cleaner KOH & C ₁₀ H ₁₂ N ₂ Na ₄ O ₈	A	NO DATA	A to 60°	A	NO DATA	NO DATA	A	A to 100°
STERIS® CIP 200 (Phosphoric Acid & Citric Acid)	Acid Cleaner H ₃ PO ₄ C ₆ H ₈ O ₇	A	A	A	A	C	B	A to 105°	A
Sulfuric Acid (Air-free) (Better when aerated)	H ₂ SO ₄	*A to 10%° to 100° A to 50% to 80° A to 90% to 40°	A to 75% to 20° A to 60% to 60° A to 50% to 70°	A to 90% to 100° A to 96% to 80° A to 98% to 50°	A A to 90% (Boiling)	A to 3% to 20° NR at 10-100% at 20° NR at 30% at 20°	A to 50% to 20° A to 10% to 80° AB 20-30% at 50-90°	A 10-75% to 20° AB to 98% to 105°	A to 40% to 100° NR > 40%
Tetrahydrofuran (Tetramethylene Oxide)	C ₄ H ₈ O	BC @ 20° C/NR @ 40-50° NR @ 60°	NR at 20°	C 10-100% @ 20° NR @ 50°	A	A to 20°	NR at 20°	A 100% to 60° C 100% @ 90°	A to 20°
Tetramethyl Ammonium Hydroxide (TMAH)	C ₄ H ₁₃ NO	A to 65°	NO DATA	A to 100% to 90° A to 50% to 100°	A to 100% to 260°	NO DATA	NO DATA	NO DATA	NO DATA
Thionyl Chloride (Sulfinyl Chloride) (Sulforous Chloride)	CL ₂ OS	B/NR 10 - 100% @ 20°	NR	NR	A	AC at 20°	NR at 20°	NO DATA	A to 20°
Toluene (Toluol)	C ₇ H ₈	NR	AB to 20° C/NR at 20° NR at 60°	A to 60° AB @ 80° BC 80-100°	A	A to 20° AB at 60° C at 80°	NR at 20°	A to 40°	A to 20°
Trichloroacetic Acid (TCA)	C ₂ HCL ₃ O ₂	A to 60° AB @ 65°	A to 10% to 60° AC at 20-65°	A to 20° A to 65% to 100° AB 40-50°	A	NR at 20°	A to 20% to 20° C/NR 100% at 20° NR at 100% at 50°	A to 90°	A to 20° (Fluoroware)
Trichloroethylene (Ethylene Trichloride) (Triad)	C ₂ HCL ₃	NR	B at 20° C at 50° NR at 100°	A to 85° (blackens)	A	AB at 20-80°	NR at 20°	AC 20-40° NR @ 90°	A to 100°
Xylene (Xylol)	C ₈ H ₁₀	NR	NR at 20°	A to 80°	A	A to 60° AB at 80°	NR at 20°	A to 90°	A to 20°

NOTES:

- * PVDF may discolor after prolonged exposure in Potassium Hydroxide.
- * Polypropylene may discolor after prolonged exposure in Sulfuric Acid.

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