

Chemical Resistance Guide for Metal

Ambient temperature and maximum concentration apply, unless otherwise noted.

Key
 1 = Continuous long term exposure
 2 = Short term/intermittent exposure (<72 hrs.)
 3 = Spills with immediate cleanup (<8 hrs.)
 4 = Not recommended for direct contact
 NT = Not Tested

	5	SES	10	855/ 855N	858	S1 HB/ PW	S2	SD4 i	HT-T	HT-S/ S5	S4+	S7/ S7 AR	BX1	IBX 1	IBX 1 RC	BX2	BX5	MX1	MX2	MX FG	T7 AR
A Acetic Acid (Glacial) [CH ₃ COOH]	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	1
Acetic Acid (glacial) CH ₃ COOH @ 50°C	4	4	4	4	4	4	4	4	NT	NT	4	1*	4	4	4	4	4	4	4	4	1*
Acetic Acid (10%) [CH ₃ COOH]	4	4	4	4	4	4	4	4	4	4	2	1	4	4	4	4	4	4	4	4	1
Acetic Acid (5%) [CH ₃ COOH]	3	4	3	3	3	4	3	3	4	3	1	1	3	4	4	3	3	3	3	4	1
Acetone [CH ₃ COCH ₃]	4	4	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	2
Acetylene [C ₂ H ₂]	2	NT	2	2	2	3	2	2	2	2	1	1	2	2	2	2	3	2	2	2	1
Aluminum Chloride (dry) [AlCl ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aluminum Sulfate (alum, dry) [Al ₂ (SO ₄) ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonia Anhydrous [NH ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Bicarbonate (dry) [NH ₄ HCO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Carbonate (dry) [(NH ₄) ₂ CO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Chloride (dry) [NH ₄ Cl]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Hydroxide (28%) [NH ₄ OH]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Ammonium Monophosphate [(NH ₄)H ₂ PO ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Nitrate (dry) [NH ₄ NO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ammonium Sulfate (dry) [(NH ₄) ₂ SO ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aqua Regia [(HNO ₃)/3(HCl)]	4	NT	4	4	4	4	4	4	4	4	2	1	4	4	4	4	4	4	4	4	1
Aviation Fuel	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
B Barium Carbonate (dry) [BaCO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Chloride (dry) [BaCl ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Hydroxide (dry) [Ba(OH) ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Sulfate (dry) [BaSO ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Beer	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Beet Sugar [C ₁₂ H ₂₂ O ₁₁]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Benzene [C ₆ H ₆]	4	NT	4	2	2	4	2	2	4	4	4	1	3	4	4	3	3	3	3	3	1
Biodiesel - B100	2	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Black Liquor	1	NT	2	1	1	1	1	1	2	1	1	1	2	3	3	2	1	1	2	2	1
Brine	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Bunker C	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Butane [C ₄ H ₁₀]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Butylene [C ₄ H ₈]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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C Calcium Bisulfite (dry) [Ca(HSO ₃) ₂]	2	NT	2	2	2	3	2	2	2	2	1	1	2	1	1	2	2	2	2	2	1
Calcium Carbonate (dry) [CaCO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Chloride (dry) [CaCl ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Hydroxide (dry) [Ca(OH) ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Sulfate (dry) [CaSO ₄]	2	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cane Sugar [C ₁₂ H ₂₂ O ₁₁]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbon Dioxide (dry) [CO ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbon Monoxide (dry) [CO]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbonic Acid (dry) [H ₂ CO ₃]	1	4	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Chlorine Dioxide (12%) [ClO ₂]	3	NT	3	3	3	3	3	3	3	3	2	1	3	4	4	3	3	3	3	3	1
Chrome Alum [KCr(SO ₄) ₂ ·12H ₂ O]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Chromic Acid (20%) [H ₂ Cr ₂ O ₇]	4	4	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	2
Chromic Acid (10%) [H ₂ Cr ₂ O ₇]	3	4	3	3	3	3	3	3	4	4	2	1	3	4	4	3	3	3	3	4	1
Citric Acid (50%) [C ₆ H ₈ O ₇]	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	1
Citric Acid (50%) [C ₆ H ₈ O ₇] 50°C	4	4	4	4	4	4	4	4	NT	NT	4	1*	4	4	4	4	4	4	4	4	1*
Citric Acid (20%) [C ₆ H ₈ O ₇]	3	4	2	2	2	3	2	2	3	3	1	1	2	3	3	2	2	2	2	3	1
Cupric Acetate (dry) [Cu(C ₂ H ₃ O ₂) ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Cuprous Chloride (dry) [CuCl]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cupric Nitrate (dry) [Cu(NO ₃) ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cupric Sulfate (dry) [CuSO ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cyclohexane @ 50°C	NT	NT	NT	NT	NT	NT	NT	NT	4	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
D Deionized Water [H ₂ O]	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Deionized Water (H ₂ O) @ 85°C	NT	NT	NT	NT	NT	NT	NT	NT	1	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Dibutyl Adipate (dry) [C ₁₄ H ₂₆ O ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dibutyl Phthalate (dry) [C ₁₆ H ₂₂ O ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dibutyl Sebacate (dry) [C ₁₈ H ₃₄ O ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diethanolamine [C ₄ H ₁₁ O ₂ N]	2	NT	2	2	2	3	2	2	3	2	1	2	2	3	3	2	2	2	2	2	2
Diethylamine [C ₄ H ₁₁ N]	2	NT	2	2	2	3	2	2	2	2	1	2	2	3	3	2	2	2	2	2	2
Diesel Fuel	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Dioctyl Phthalate (dry) [C ₂₄ H ₄₀ O ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dioctyl Sebacate (dry) [C ₂₆ H ₅₂ O ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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E Epsom Salt [MgSO4.7H2O]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ethane [C2H6]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ethanol [CH3CH2OH]	3	NT	3	3	3	3	3	3	2	1	2	1	3	4	4	3	3	3	3	3	1
Ethylene Chloride [CH3CH2Cl]	4	NT	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	4
Ethylene Dichloride [ClCH2CH2Cl]	4	NT	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	4
Ethylene Glycol [HOCH2CH2OH]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Ethylene Oxide [C2H4O]	4	NT	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	2
F Ferric Chloride (dry) [FeCl3]	1	NT	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
Ferric Chloride (50%) [FeCl3]	2	NT	3	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Ferric Nitrate [Fe(NO3)3]	1	NT	1	1	1	2	1	1	2	2	1	1	1	2	2	1	2	1	1	1	1
Ferric Sulfate [Fe2(SO4)3]	1	NT	1	1	1	2	1	1	2	2	1	1	1	2	2	1	1	1	1	1	1
Ferrous Chloride (100%, dry) [FeCl2]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Ferrous Nitrate (dry) [Fe(NO3)2]	1	NT	2	1	1	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
Ferrous Sulfate (dry) [FeSO4]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
Fluosilicic Acid (20%) [H2SiF6]	3	4	3	3	3	4	3	3	4	4	2	1	3	4	4	3	4	3	3	4	1
Fluosilicic Acid (10%) [H2SiF6]	2	4	2	2	2	3	2	2	3	3	1	1	2	3	3	2	3	2	2	3	1
Formaldehyde (35%) [CH2O]	1	NT	2	1	1	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
Formic Acid (50%) [CH2O2]	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	1
Formic Acid (10%) [CH2O2]	4	4	4	4	4	4	4	4	4	4	3	1	4	4	4	4	4	4	4	4	1
G Gasoline [C7H16/C10H22]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Glucose [C6H12O6]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Green/White Liquor	1	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
H Heptane [C7H16]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Hexane [C6H14]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Hydrochloric Acid (37%) [HCl]	4	4	4	3	3	3	3	3	4	4	1	1	3	4	4	3	2	4	3	4	1
Hydrochloric Acid 37% @ 50°C	-	4	-	NT	-	-	-	-	4	4	-	2	-	NT	NT	-	-	-	-	NT	2
Hydrochloric Acid (10%) [HCl]	2	4	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	2	1
Hydrofluoric Acid 20% @ 25°C	NT	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Hydrofluoric Acid (10%) [HF] @ 50°C	NT	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Hydrofluoric Acid (10%) [HF]	2	4	3	2	2	3	2	2	3	3	1	1	2	3	3	2	3	2	2	3	1
Hydrogen Peroxide (50%) [H2O2]	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	2

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H Hydrogen Peroxide (10%) [H2O2]	4	4	4	4	4	4	4	4	4	4	3	1	4	4	4	4	4	4	4	4	1
Hydrogen Peroxide (3%) [H2O2]	3	4	3	2	2	3	2	2	3	3	1	1	2	3	3	2	3	2	2	2	1
Hydrogen Peroxide (3%) [H2O2] 50°C	NT	NT	NT	NT	NT	NT	NT	NT	4	4	NT	1*	NT	3	3	NT	NT	NT	NT	NT	1*
Hydrogen Sulfide (wet) [H2S]	1	NT	2	1	1	2	1	1	2	2	1	1	2	3	3	2	2	1	2	2	1
I Iso-Octane [C8H18]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Isopropyl Alcohol [C3H8O]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
J Jet Fuel (JP-5)	1	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
K Kerosene	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
L Lactic Acid (10%) [C3H6O3]	2	4	3	2	2	3	2	2	3	3	1	1	3	4	4	3	3	3	3	4	1
Lactic Acid (85%) [C3H6O3] @ 85°C	NT	4	NT	NT	NT	NT	NT	NT	4	4	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Lead Acetate [Pb(CH3COO)2]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Lime Water [Ca(OH)2/H2O]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
M Magnesium Bisulfate (dry) [Mg(HSO4)2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Chloride (dry) [MgCl2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Sulfate (dry) [MgSO4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maleic Acid (30%) [C4H4O4]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	3	1
Mercuric Chloride (dry) [HgCl2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mercury [Hg]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Methane [CH4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Methanol [CH3OH]	4	NT	4	4	4	4	4	4	4	4	3	1	4	4	4	4	4	4	4	4	1
Methylamine [CH3NH2]	2	NT	2	2	2	3	2	2	3	3	1	2	2	3	3	2	2	2	2	2	2
MEK [C4H8O]	4	NT	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	1
Methylene Chloride [CH2Cl2]	4	NT	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	2
MIBK [C6H12O]	2	NT	3	1	1	1	1	1	1	1	2	1	1	2	2	1	2	1	1	1	1
Mineral Spirits	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Monoethanolamine [H2NCH2CH2OH]	3	NT	3	3	3	3	3	3	3	3	2	2	3	4	4	3	3	3	3	3	2
MTBE	2	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
N Naphtha	2	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Nickel Ammonium Sulfate (dry) [NiNH4SO4]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Nickel Chloride (dry) [NiCl2]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Nickel Nitrate (dry) [Ni(NO3)2]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1

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N Nickel Sulfate (dry) [NiSO4]	2	NT	2	2	2	3	2	2	3	2	1	1	2	3	3	2	2	2	2	2	1
Nitric Acid 70% @ 22°C	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitric Acid (40%) [HNO3]	4	4	4	4	4	4	4	4	4	4	3	1	4	4	4	4	4	4	4	4	1
Nitric Acid (40%) [HNO3] @ 50°C	NT	4	NT	NT	NT	NT	NT	NT	4	4	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Nitric Acid (40%) HNO3 @ 50°C Ambient Cure	NT	4	NT	NT	NT	NT	NT	NT	4	4	NT	2	NT	4	4	NT	NT	NT	NT	NT	2
Nitric Acid (20%) [HNO3]	4	4	4	3	3	4	3	3	4	4	2	1	3	4	4	3	4	3	3	4	1
Nitric Acid (10%) [HNO3]	4	4	4	2	2	4	2	2	4	4	1	1	2	3	3	2	3	3	2	3	1
Nitrogen [N2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitrous Oxide [NO]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
O Oleic Acid [C18H34O2]	2	4	3	2	2	3	2	2	3	2	1	1	2	3	3	2	2	2	2	3	1
Oleic Acid [C18H34O2] 50°C	NT	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Ozone (0.5 ppm) [O3]	3	NT	4	3	3	3	3	3	3	3	2	1	3	4	4	3	3	3	3	3	1
Oleum [fuming H2SO4]	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	4
P Palmitic Acid [CH3(CH2)14COOH]	3	4	4	3	3	4	3	3	4	4	2	1	3	4	4	3	3	3	3	4	1
Paraffin Wax	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pentane [C5H12]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (Carbolic Acid) [C6H6O]	4	4	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	2
Phosphoric Acid (85%) [H3PO4]	4	4	3	3	3	4	3	3	4	4	2	1	3	4	4	3	4	3	3	4	1
Phosphoric Acid (85%) H3PO4 @ 85°C	NT	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Phosphoric Acid (50%) [H3PO4]	4	4	3	3	3	4	3	3	4	4	1	1	3	4	4	3	4	3	3	4	1
Phosphoric Acid (30%) [H3PO4]	4	4	3	3	3	4	3	3	4	4	1	1	3	4	4	3	4	3	3	4	1
Phosphoric Acid (10%) [H3PO4]	2	4	2	1	1	1	1	1	4	4	1	1	2	3	3	2	3	2	2	3	1
Pickle Brine (2 – 4% Acetic Acid)	4	NT	3	3	3	4	3	3	4	4	1	1	3	4	4	3	3	3	3	4	1
Potash Alum (dry) [AlKO8S2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Bicarbonate (dry) [KHCO3]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Bisulfate (dry) [KHSO4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Bromide (30%) [KBr]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Carbonate (50%) [K2CO3]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Chloride (30%) [KCl]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Cyanide (dry) [KCN]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Potassium Dichromate (dry) [K2Cr2O7]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1

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	5	SES	10	855/ 855N	858	S1 HB/ PW	S2	SD4 i	HT-T	HT-S/ S5	S4+	S7/ S7 AR	BX1	IBX 1	IBX 1 RC	BX2	BX5	MX1	MX2	MX FG	T7 AR
P Potassium Phosphate Dibasic (dry) [K ₂ HPO ₄]	3	NT	2	2	2	3	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Potassium Ferricyanide (dry) [K ₃ Fe(CN) ₆]	2	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Ferrocyanide (dry) [K ₄ Fe(CN) ₆]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Hydroxide (50%) [KOH]	1	NT	1	1	1	2	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Hydroxide (10%) [KOH]	1	NT	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Iodide [KI]	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Potassium Nitrate (dry) [KNO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Permanganate [KMnO ₄]	3	NT	2	2	2	3	2	2	3	3	1	1	2	3	3	2	2	2	2	2	1
Propane [C ₃ H ₈]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Propylene Oxide [C ₃ H ₆ O]	4	NT	3	3	3	3	3	3	3	3	2	2	3	4	4	3	3	3	3	3	2
S Salt Water [NaCl+H ₂ O+minerals]	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sewage	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Silicone Oil	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Silver Nitrate [AgNO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Skydrol [aircraft hydraulic fluid]	1	NT	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Sodium Acetate [CH ₃ COONa]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Aluminate [AlNaO ₂]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bicarbonate [NaHCO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bisulfate [NaHSO ₄]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bisulfite [Na ₂ S ₂ O ₅]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Borate [Na ₂ B ₄ O ₇]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bromide [NaBr]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Carbonate [Na ₂ CO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chlorate (dry) [NaClO ₃]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chloride (dry) [NaCl]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chromate [Na ₂ CrO ₄]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Sodium Cyanide (dry) [NaCN]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Fluoride (dry) [NaF]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
Sodium Hydroxide (50%) [NaOH]	1	NT	1	1	1	2	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1
Sodium Hydroxide (10%) [NaOH]	1	NT	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1
Sodium Hypochlorite (15%) [NaClO]	4	NT	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	2

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S Sodium Hypochlorite (6%) [NaClO]	3	NT	3	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Sodium Metaphosphate (dry) [(NaPO3)n]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Sodium Metasilicate (dry) [Na2SiO3]	2	NT	2	2	2	2	2	2	2	2	1	1	2	3	3	2	2	2	2	2	1
Sodium Nitrate (dry) [NaNO3]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Phosphate Acid [NaH2PO4]	2	NT	2	2	2	2	2	2	3	2	1	1	2	3	3	2	2	2	2	3	1
Sodium Silicate (dry) [Na2SiO3]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Sulfate (dry) [Na2SO4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Sulfite (dry) [Na2SO3]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stannic Chloride (dry) [SnCl4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Starch [C6H12O6]n	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sulfuric Acid (98%) [H2SO4]	4	4	3	3	3	4	3	3	4	4	1	4	3	4	4	3	4	3	3	4	4
Sulfuric Acid (70%) [H2SO4]	4	4	3	3	3	4	3	3	4	4	1	1	3	4	4	3	4	3	3	4	1
Sulfuric Acid (70%) H2SO4 @ 85°C	NT	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Sulfuric Acid (30%) [H2SO4]	3	4	3	1	1	1	1	1	2	1	1	1	2	3	3	2	3	2	2	3	1
Sulfuric Acid (10%) [H2SO4]	3	4	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1
Sulfur Dioxide [SO2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T Tar	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tall Oil @ 50°C	NT	4	NT	1	1	1	1	1	NT	NT	1	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Toluene [C7H8]	4	NT	4	1	1	4	1	1	4	4	4	1	2	4	4	2	2	2	2	2	1
Transformer Oil	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Turpentine [C10H16]	1	NT	1	1	1	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
U Urea (dry) [H2NCONH2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Urea (30%) [H2NCONH2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V Vinegar (4 – 8% Acetic Acid)	3	4	3	3	3	4	3	3	4	3	1	1	3	4	4	3	3	3	3	4	1
X Xylene [C6H4(CH3)2] Ambient	1	NT	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Xylene [C6H4(CH3)2] @ 50°C	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1*	NT	NT	NT	NT	NT	NT	NT	NT	1*
Z Zinc Chloride (dry) [ZnCl2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Zinc Hydrosulfite (dry) [Zn(HSO3)2]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Zinc Sulfate (dry) [ZnSO4]	1	NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1