

CORROSIVES

Chemical	MW	VP	FP	SG	Sol
Muriatic Acid (HCl)	36	413	NA	1.19	Miscible
	Metals releasing flammable hydrogen gas				
Hydrofluoric Acid 25%	20	25	NA	1.18	Miscible
Hydrofluoric Acid 70%	20	1.37	NA	1.18	Miscible
Nitric Acid	63	48	NA	1.5	Miscible
HNO ₂	Combustible materials, metallic powders, hydrogen sulfide, carbides, alcohols (Reacts with water to produce heat. Corrosive to metals)				
Phosphoric Acid	98	0.03	NA	1.33-1.87	Miscible
H ₃ PO ₃	Strong caustics, most metals (Readily reacts with metals to form flammable hydrogen gas. DO NOT MIX WITH SOLUTIONS CONTAINING BLEACH OR AMMONIA)				
Sulfuric Acid	98.1	0.001	NA	1.84	Miscible
H ₂ SO ₄	Organic materials, chlorates, carbides, fulminates, water, powdered metals, (reacts violently with water with evolution of heat. Corrosive to metals)				
Formic Acid	46	35	122° F	1.22	Miscible
HCOOH	Strong oxidizers, strong caustics, concentrated sulfuric acid, (corrosive to metals)				
Acetic Acid	60	11	122° F	1.05	Miscible
CH ₃ COOH	Strong oxidizers, strong caustics (Corrosive to metals)				
Cyclohexylamine	99.2	11	88° F	0.87	Miscible
C ₆ H ₁₁ NH ₂	Oxidizers, organic compounds, acid anhydrides, acid chlorates, acids, lead (Corrosive to copper, aluminum, zinc & galvanized steel)				
Acrylic Acid	72.1	3	121° F	1.05	Miscible
CH ₂ =CHCOOH	Oxidizers, amines, alkalis, ammonium hydroxide,				

Flammable Liquids

	Chemical	MW	VP	FP	FR	SG	SOL	IP
HYDROCARBONS	Pentane	72	420	-57° F	1-7 %	0.63	0.04%	10.34
	Hexane	86	124	-7° F	1-8 %	0.66	0.002%	10.18
	Heptane	100	40	25° F	1-7 %	0.68	0.0003%	9.9
	Octane	114	10	56° F	1-7 %	0.7	0.00007%	9.8
	Benzene	78	75	42° F	1-8 %	0.88	0.07%	9.24
	Toluene	92	21	40° F	1-7 %	0.87	0.07%	8.82
ESTER	Methyl Formate	60.1	476	-2° F	4-23 %	0.98	0.3%	10.8
	Methyl Acetate	74.1	173	14° F	3-16 %	0.93	0.25%	10.2
	EthylAcetate	88.1	73	24° F	2-11 %	0.9	0.1%	10.01
	Methyl Acrylate	86.1	65	27° F	3-25%	0.96	0.06%	9.9
ALCOHOL	Methyl Alcohol	32	96	52° F	6-36 %	0.79	Miscible	10.84
	Ethyl Alcohol	46	44	55° F	3-19%	0.79	Miscible	10.47
	Propyl Alcohol	60.1	10	59° F	2-13%	0.79	Miscible	10.22
	Isopropyl Alcohol	60.1	33	53° F		0.79	Miscible	10.1
	nButyl Alcohol	74	6	84° F	1-11	0.81	0.09%	10.04
	Isobutyl Alcohol	74	9	82° F	1-11	0.8	0.1%	10.1
	sec-Butyl Alcohol	74	12	75° F	1-10	0.8	16%	10.1
	tert-Butyl Alcohol	74	42	52° F	2-8	0.79	Miscible	9.7
	Allyl Alcohol	58	17	70° F	1-11	0.85	Miscible	9.6
	Phenol	94	0.4	175° F	2-9	1.06	0.09%	8.5
	o-Cersol	108	0.29	178° F	1-?	1.05	0.02%	8.9
KETONE	Acetone	58	180	0° F	3-13	0.79	Miscible	9.69
	Butanone	72	78	16° F	1-11	0.81	28%	9.54
	Pentanone	86	27	45° F	2-8	0.81	6%	9.3
	Diethyl ketone	86	35	55° F	2-6	0.81	5%	9.3
NITRO	Nitromethane	61	28	95° F	7-63%	1.1	10%	11.08
	1-Nitropropane	89	8	96° F	2-?	1	1%	10.8
	2-Nitropropane	89	13	75° F	2-11	0.99	2%	10.7
	Nitrotoluene	137	0.1	223° F	2-	1.16	0.05%	9.4