

CHEMICAL ABBREVIATION LIST

Legend	C = Corrosive	H = Heart	M = Mutagen	RT = Reproductive Toxin
	Carc = Carcinogen	HT = Highly Toxic	N = Neurotoxin	S = Sensitizer
	CNS = Central Nervous System	Irr = Irritant	Ox = Oxidizer	T = Toxic
	CVS = Cardiovascular System	K = Kidneys	P = Pyrophoric	Ter = Teratogen
	F = Flammable	L = Liver	PF = Peroxide Forming	W = Water Reactive

ABBREVIATION	CHEMICAL NAME	CAS #	HAZARD	TARGET ORGAN (S)
ACIDS				
HCl	Hydrochloric Acid	7647-01-0	C, T	*
HF	Hydrofluoric Acid	7664-39-3	C, T, M	* CNS, K, L
HNO ₃	Nitric Acid	7697-37-2	C, T, Ox	* CVS, Teeth
H ₂ SO ₄	Sulfuric Acid	7664-93-9	C, T	* CVS, Teeth
TCA	Trichloroacetic Acid	76-03-9	C	* CNS
TFA	Trifluoroacetic Acid	76-05-1	C	*
TFAA	Trifluoroacetic Acid Anhydride	407-25-0	C, W	*
BASES				
KOH	Potassium Hydroxide	1310-58-3	C	*
NaOH	Sodium Hydroxide	1310-73-2	C	*
NH ₄ OH	Ammonium Hydroxide	1336-21-6	C	*
FLAMMABLE				
ACE	Acetone	67-64-1	F, Irr	* CNS
DME	Ethylene Glycol Dimethyl Ether	110-71-4	F, T, PF	* CNS, K, L, RT
Et ₂ O	Diethyl Ether	60-29-7	F, T, PF	* CNS, K, L
EtOAc	Ethyl Acetate	141-78-6	F, Irr	* CNS, K, L
EtOH	Ethyl Alcohol	64-17-5	F, Irr	* CNS, H, L
HEX	Hexane	110-54-3	F, Irr	* CNS
IPA	Isopropyl Alcohol	67-63-0	F, Irr	* CNS, CVS, K
MeOH	Methanol	67-56-1	F, T	* CNS, H, K, L
THF	Tetrahydrofuran	109-99-9	F, PF, Carc	* CNS, L
TOL	Toluene	108-88-3	F, Irr, M	* CNS, L, K
REACTIVE				
DIBAL	Diisobutylaluminum Hydride	1191-15-7	W, P, C, N	*
APS	Ammonium Persulfate	7727-54-0	Ox, S	*
TOXIC				
BME	b-Mercaptoethanol	60-24-2	HT, F	*
CHCl ₃	Chloroform	67-66-3	T, Carc, Irr	* CNS, K, L
DCM	Dichloromethane (Methylene Chloride)	75-09-2	T, Carc, M	* CNS, CVS, H, L,
DMF	Dimethylformamide	68-12-2	T, F, Ter	* CNS, CVS, K, L
EtBr	Ethidium Bromide	1239-45-8	HT, M	*
X-GAL	5-Bromo-4-Chloro-3-Indolyl b-Galactoside	7240-90-6	HT, Carc, S	* K
IRRITANTS				
NaCl	Sodium Chloride	7647-14-5	Irr	*
NH ₄ Cl	Ammonium Chloride	12125-02-9	Irr	*
PBS	Phosphate Buffered Saline, Buffer	None	Irr	*
SSC	Sodium Chloride Sodium Citric Acid	None	Irr	*
SSPE	Sodium Chloride Sodium Phosphate + Ethylenediamine Tetra Acetic	None	Irr	*
TAE	Tris Acetic Acid + Ethylenediamine Tetra Acetic Acid	None	Irr	* K, L
TBE	Tris Boric Acid + Ethylenediamine Tetra Acetic Acid	None	Irr	*
TE	Tris Ethylenediamine Tetra Acetic Acid	None	Irr	*
TPE	Tris Phosphate Ethylenediamine Tetra Acetic Acid	None	Irr	*

ABBREVIATION	LAB SPECIFIC CHEMICAL NAME	CAS #	HAZARD	TARGET ORGAN (S)

* = Mucous Membranes, Eyes, Skin, and Lungs