

Table 12
Compounds with a High Degree of Acute Toxicity

	Toxic	Highly Toxic
Oral LD ₅₀ (albino rats)	50-500 mg/kg	<50 mg/kg
Skin Contact LD ₅₀ (albino rabbits)	200-1000 mg/kg	<200 mg/kg
Inhalation LD ₅₀ (albino rats)	200-2000 ppm/air	<200 ppm/air

Any chemical meeting criteria for Highly Toxic column is considered by OSHA as a particularly hazardous substance.

Examples of Chemicals with a High Degree of Acute Toxicity

Acrolein	Nickel Carbonyl
Arsine	Nitrogen dioxide
Chlorine	Osmium tetroxide
Diazomethane	Ozone
Diborane (gas)	Phosgene
Hydrogen cyanide	Sodium azide
Hydrogen fluoride	Sodium cyanide
Methyl fluorosulfonate	(and other cyanide salts)

Source: Prudent Practices in the Laboratory, National Academy Press, pg. 42, (1995)