

**Table 13**  
**Compounds with a High Degree of Acute Toxicity**

	<b>Toxic</b>	<b>Highly Toxic</b>
Oral LD <sub>50</sub> (albino rats)	50-500 mg/kg	<50 mg/kg
Skin Contact LD <sub>50</sub> (albino rabbits, 24 hour)	200-1000 mg/kg	<200 mg/kg
Inhalation LD <sub>50</sub> (albino rats, one hour)	200-2000 ppm/air	<200 ppm/air

Any chemical meeting criteria in the Highly Toxic column is considered by OSHA as an extremely 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)