

Appendix A. Chemicals and Hazards associated with Methamphetamine Production.

Typical Chemicals Found in Lab Sites	Common Legitimate Uses	Poison	Flammable	Toxic Vapors	Explosive	Corrosive	Skin Absorption	Common Health Hazards
Acetone	Fingernail polish remover, solvents	X	X	X			X	Reproductive Disorders
Methanol	Brake cleaner fluid, fuel	X	X	X			X	Blindness, eye damage
Ammonia	Disinfectants	X		X		X	X	Blistering, lung damage
Benzene	Dye, varnishes, lacquers	X	X	X	X	X	X	Carcinogen, Leukemia
Ether	Starters fluid, anesthetic	X	X		X			Respiratory
Freon	Refrigerant, propellants	X		X		X		Frostbite, Lung damage
Hydriodic Acid	Driveway cleaner	X		X		X	X	Burns, Thyroid damage
Hydrochloric Acid (Hcl gas)	Iron ore processing, mining	X		X		X	X	Respiratory, Liver damage
Iodine Crystals	Antiseptic, Catalyst	X	X		X	X		Birth defects, Kidney failure

Appendix A. (Continued)

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Lithium Metal	Lithium batteries	X				X	X	Burns, Pulmonary edema
Muriatic Acid	Swimming pool cleaners	X		X		X		Burns Toxic vapors
Phosphine Gas	Pesticides	X		X			X	Respiratory failure
Pseudophedrine	Cold medicines	X						Abuse: Health damage
Red Phosphorus	Matches, fireworks	X	X	X	X			Unstable, flammable
Sodium Hydroxide	Drain cleaners, lye	X		X		X	X	Burns, skin ulcers
Sulfuric Acid	Battery acid	X		X		X	X	Burns, thyroid damage
Toluene	Paint thinners, solvents	X	X	X	X		X	Fetal damage, pneumonia
Liquid Lab Waste	None	X	X	X	X	X	X	Unknown long term effects

This information was obtained from the Division of Environmental Health, Office of Environmental Health and Safety, Washington State. <http://www.doh.wa.gov/ehp/ts/CDL/methhazards.htm>