

## FACT SHEET:

## Chemicals and Hazards Associated with Methamphetamine Production

Typical Chemicals Found at Clandestine Lab Sites	Common Legitimate Uses	Poisonous	Flammable	Releases Toxic Vapors	Explosive	Corrosive	Absorbed into Skin	Common Health Hazards
Acetone	Fingernail Polish Remover, Solvents	X	X	X			X	Reproductive Disorders
Ammonia	Disinfectants	X		X		X	X	Blistering, Lung Damage
Benzene	Dye, Varnishes, Lacquers	X	X		X	X	X	Cancer, Leukemia
Ether	Starter Fluid, Anesthetic	X	X		X			Respiratory Irritation
Freon	Refrigerant, Propellants	X		X		X	X	Frostbite, Lung Damage
Hydriodic Acid	Driveway Cleaner	X		X		X	X	Burns, Thyroid Damage
Hydrochloric Acid	Iron Ore Processing, Mining	X		X		X		Respiratory Irritation, Liver Damage
Iodine Crystals	Antiseptic, Catalyst	X	X		X	X		Birth Defects, Kidney Failure
Liquid Lab Waste	None	X	X	X	X	X	X	Unknown Long Term Effects
Lithium Metal	Lithium Batteries	X				X	X	Burns, Pulmonary Edema

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Methanol	Brake Cleaner Fluid, Fuel	X	X	X			X	Blindness, Eye Damage
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

Source: Appendix A of the Tennessee Department of Environment and Conservation (Interim Guidance, February 22, 2005), Reasonable, Appropriate, Protective (RAP) Cleanup Response and Documentation Guidance for Properties Quarantined Due to Clandestine Methamphetamine Laboratory (CML) Activities Pursuant to TCA 68-212 Part 5.