

Date Prepared: 04/11/06  
Supersedes: New  
Product Name: Silencure A

# ChemMasters

## Material Safety Data Sheet

### 1. Chemical Product and Company Information

**Product Name:** Silencure A

**Product Description:** Silencure is a 40% Solids dual action acrylic silane concrete curing & sealing compound.

**ChemMasters**  
300 Edwards Street  
Madison, Ohio 44057  
440/428-2105

In Case of Emergency Contact:  
CHEMTREC 800/424-9300

### 2. Hazards Identification

#### CAUTION

**FLAMMABLE LIQUID, Flash Point 1°F**

**Causes eye, skin and lung irritation.**

**Harmful if inhaled.**

**Harmful if swallowed.**

**WHMIS Classification: Class D2B & B3 (Toxic & Flammable)**

**Symbol: Stylized T & Flammable**

#### Potential Health Hazards - Acute

**Eye:** May cause eye irritation. Direct contact with the liquid or exposure to its vapors may cause burning, tearing and redness.

**Skin:** May cause irritation. Prolonged or repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

**Inhalation:** Excessive concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression. Persons with impaired lung function or asthma like conditions may experience additional breathing difficulties due to the irritating properties of this material.

**Ingestion:** Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. May result in vomiting. Aspiration of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

#### Potential Health Effects - Chronic

Kidney, lung and liver are probable target organs. See Section 11 for further information.

<b>Carcinogenicity:</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA Regulated</b>
	NO	NO	NO

### 3. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits		OTHER	% by Wt
		OSHA(PEL/TWA)	ACGIH(TLV/TWA)		
Acetone	67-64-1	1000 ppm	500 ppm	---	35-40%
Petroleum Naphtha (Aromatic)	64742-95-6	—	100 ppm	—	10-15%
1,2,4-Trimethylbenzene	95-63-6	25 ppm	25 ppm		5-10%
Xylene	1330-20-7	100 ppm	100 ppm		2%
Polymer Solids	Trade Secret		NonHazardous		20%
Silicone	Trade Secret				20%

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#### 4. First Aid Measures

**Eye:** Immediately flush with plenty of clean water.

**Skin:** Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Seek medical attention! Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.**

#### 5. Fire Fighting Measures

**Flash Point** (method used): 1°F (TCC)

**Flammable Limits** (% volume in air): **Lower** = 2.1 **Upper** = 13

**Auto Ignition Temperature:** No data available

**Extinguishing Media:** Extinguish with water fog, dry chemical, CO2 or foam.

**Hazard Combustion Products:** Carbon dioxide, carbon monoxide and/or organic compounds

**Fire Fighting Instructions:** Do not enter confined fire space without full bunker gear including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool containers exposed to fire with water.

#### 6. Accidental Release Measures

**Spill:** Shut off ignition sources. Absorb with inert material, then place in chemical waste container for later disposal.

#### 7. Handling and Storage

**Handling:** Avoid inhalation of vapors and personal contact with product. Keep liquid away from heat, sparks and flame. Use with adequate ventilation. "Empty" containers can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize drums to empty them.

**Storage:** Store containers tightly closed with adequate ventilation in a cool, dry area.

#### 8. Exposure Controls / Personal Protection

**Exposure Controls:** Mechanical and local exhaust should be used for indoor use.

**Personal Protection:** Protective clothing, goggles, neoprene gloves and a vapor respirator when TLV is exceeded.

#### 9. Physical and Chemical Properties

**Appearance:** Clear liquid of low viscosity

**Odor:** Aromatic solvent odor

**VOC Content:** <350 gm/L

**Boiling Point:** 135°F

**Melting Point:** Not applicable

**Vapor Pressure** (mm/Hg): 24.7 @ 68°F

**Vapor Density** (Air = 1): 4.3

**Solubility in Water:** Negligible (<5%)

**Specific Gravity** (H2O = 1): 0.87-0.88

**Evaporation Rate** (n-Butyl Acetate = 1): 5.6

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## 10. Stability and Reactivity

**Chemical Stability:** Stable

**Conditions to Avoid:** Heat, sparks and flame

**Incompatibility** (materials to avoid): Strong oxidizing agents. Strong acids, bases and select amines.

**Hazardous Decomposition or By-products:** Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide and/or unidentified organic compounds.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

Rats exposed for 4 months to 1700 ppm of a similar solvent showed evidence of mild damage to the liver, lungs and kidneys. These effects were not seen in rats exposed for 1 year at 350 ppm. Rats exposed during pregnancy showed embryo/fetotoxic toxicity. Petroleum Naphtha may contain small percentages of Xylene. Xylene in high concentrations has resulted in hearing loss in laboratory rats.

<b>Components</b>	<b>Oral LD50 (rat)</b>	<b>Dermal LD50 (rabbit)</b>	<b>Inhalation LC50 (rat)</b>
Petroleum Naphtha (Aromatic)	4.7 g/kg	—	>3670 ppm/8 hours

## 12. Ecological Information

CWA considers petroleum distillates an oil under Section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center.

## 13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area.  
Under RCRA 40 CFR 261 this material is hazardous waste number D001.

## 14. Transportation Information

**For U S National , International and Air Shipments:**

**Shipping Description:** Paint, 3, UN1263, II

**Hazard Class:** Flammable Liquid

**Emergency Response Guide Number: 128**

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## 15. Regulatory Information

**OSHA:** This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

**CERCLA Reportable Quantity:** Xylene RQ 100 pounds, or 5,000 pounds of this product. CWA considers petroleum distillates an oil under Section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center.

### SARA Title III:

**Section 311/312 hazard categories:** acute health, delayed health, fire

### Section 313 reportable ingredients:

Components	CAS #	Maximum %
1, 2, 4 Trimethylbenzene	95-63-6	10 %
Xylene	1330-20-7	1.4%

### California Proposition 65

Warning: This product contains trace amounts of the following chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Benzene CAS# 71-43-2

Toluene CAS# 108-88-3

## 16. Other Information

**MSDS Status:** New

Industrial Abbreviation Legend listed below.

### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

### THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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