

# MATERIAL SAFETY DATA SHEET

## PLUG-CRETE

Date Issued: December 1, 1995

Date Revised: February 23, 2005

<u>HMIS Rating</u>	
Health	2
Flammability	0
Reactivity	0
Personal Protection	C

SECTION I Product and Company Identification	
Manufacturer: Lyons Manufacturing, Inc. 8900 Forney Rd. Dallas, TX 75227-4505	Telephone No. 214/381-8100 Fax No. 214/381-8158 Website: <a href="http://www.lyonsmanufacturing.com">www.lyonsmanufacturing.com</a>
Emergency Phone: 214/381-8100	
Product Name: PLUG-CRETE	
CAS No: Not established	
Chemical Family: Cementitious Mortar	

SECTION II Composition/Information on Ingredients	
<u>Ingredient Name:</u>	<u>CAS Number</u>
Portland Cement	65997-15-1
Silica Sand	14808-60-7
Calcium Aluminate Cement	05997-16-2

SECTION III Hazards Identification
<u>Eye Hazards:</u> Eye Irritant. Cement dust can cause inflammation of the cornea. Irrigate immediately with water. Consult a physician if necessary.
<u>Skin Hazards:</u> May cause skin irritation. Avoid skin contact. Wet cement may dry the skin and cause alkali burns. Extremely sensitive people may develop an allergic dermatitis.
<u>Ingestion Hazards:</u> Unlikely to occur; could cause irritation, nausea, diarrhea, ulceration of the digestive tract.
<u>Inhalation Hazards:</u> May cause respiratory tract irritation. Cement dust can cause inflammation of nose passages. Prolonged exposure to respirable silica can cause silicosis, a scarring of the lungs.

SECTION IV First Aid Measures

Eye: Irrigate eyes thoroughly with water. Consult a physician  
Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing. If necessary, consult a physician.  
Ingestion: Dilute immediately with water. Consult a physician.  
Inhalation: Remove to fresh air. If breathing has stopped, begin artificial respiration. Consult a physician.

SECTION V Fire Fighting Measures

Flash point: >212°  
Fire and explosion Hazard: None known  
Extinguishing Media: Water fog, dry chemical or CO<sub>2</sub>  
Fire Fighting Instructions: Firefighters should wear full protective gear and self-contained breathing apparatus.

SECTION VI Accidental Release Measures

Scoop and sweep up. Place in containers for disposal in approved landfill.

SECTION VII Handling and Storage

Handling Precautions: Store in cool dry area. Use only in a well ventilated area. Keep out of reach of children. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.  
Work/Hygienic Practices: Wash exposed areas thoroughly with soap and water after handling.  
Storage: Keep container closed when not in use.

SECTION VIII Exposure Controls/Personal Protection

Engineering Controls: Have good general and local exhaust ventilation in area.  
Eye/Face Protection: Use safety glasses with side shields.  
Skin Protection: Avoid skin contact. Wear long sleeved, body covering clothes and rubber or plastic gloves.  
Respiratory Protection: Use a properly fitted NIOSH-approved respirator  
Other/General Protection:

Ingredients – Exposure Limits:

- Cement – Portland
  - ACGIH TLV-TWA – 10 mg/m<sup>3</sup>
  - OSHA PEL-TWA – 15 mg/m<sup>3</sup> (total dust)
  - OSHA PEL-TWA – 5 mg/m<sup>3</sup> (respirable dust)
- Silica, Quartz
  - ACGIH TLV-TWA 0.1 mg/me (Notice of Intended Change)
  - ACGIH TLV-TWA 0.05 mg/m<sup>3</sup> (Proposed)

OSHA PEL-TWA 30/%SiO<sub>2</sub>+2 mg/m<sup>3</sup>  
OSHA PEL-TWA 10/%SiO<sub>2</sub>+2 mg/m<sup>3</sup>  
OSHA PEL-TWA 250/%SiO<sub>2</sub>+5 mppcf

**SECTION IX Physical and Chemical Properties**

Appearance: Gray or White Mortar  
Odor: No odor  
Chemical Type: Mixture  
Physical State: Solid  
Solubility: Partially soluble

**SECTION X Stability and Reactivity**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to Avoid (Stability): None known  
Incompatible Materials: None known  
Hazardous Decomposition Products: None known; material is highly alkaline, avoid contact with acids.

**SECTION XI Toxicological Information**

Conditions Aggravated by Exposure: Eye disease, skin disorders, chronic respiratory conditions.  
Ingredient(s) – Carcinogenicity:  
Silica - Listed on the National Toxicology Program  
Listed in the IARC Monographs  
Crystalline silica is classified as a known human carcinogen.

**SECTION XII Ecological Information**

No information available

**SECTION XIII Disposal**

Dispose in accordance with applicable federal, state and local regulations.

**SECTION XIV Transportation Information**

Not regulated by Federal or State DOT

SECTION XV

Regulatory Information

U. S. Federal Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

All ingredients of this product are listed or are excluded from listing under the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Immediate Health Hazard

Chronic Health Hazard

SARA Section 313 Notification:

Does not contain any ingredient regulated under Section 313 of the Emergency Planning and Community Right-to-know Act of 1986 or 40CFR 372.

State Regulations:

California – Proposition 65: The chemicals noted above and contained in this product are known to the State of California to cause cancer, birth defects, or other reproductive harm.

Various other states – workplace hazard and/or hazardous substance.

SECTION XVI

Other Information

HMIS Rating:

Health	2
Fire	0
Reactivity	0
PPE	C

Disclaimer

The information in this Material Safety Data Sheet is accurate to the best of Lyons knowledge or is obtained from sources believed by Lyons to be accurate, but no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from its use. Since job and other conditions of use vary widely and are outside Lyons control, Lyons assumes no responsibility for any injuries which may occur in connection with any use of this product or information.

While MSDS do not change often, if in doubt, please contact Lyons Manufacturing, Inc. at 214/381-8100 for the most recent version or visit our website at [www.lyonsmanufacturing.com](http://www.lyonsmanufacturing.com).