MATERIAL SAFETY DATA SHEET

SUPER FLOWCRETE

Date Issued: May 1, 2010 Date Revised: May 1, 2010

SECTION I Product and Company Identification

Trade Name: SUPER FLOWCRETE 45# Bag

Manufacturer:
Lyons Manufacturing, Inc.
8900 Forney Rd.
Dallas, TX 75227-4505

Telephone No. 214/381-8100
Fax No. 214/381-8158
Website: www.lyonsmanufacturing.com

Emergency Phone: 214/381-8100

SECTION II Composition/Information on Ingredients

Ingredient Name:	CAS Number	Weight %
Portland Cement	65997-15-1	> 40%
Silica Sand	14808-60-7	20 - 40%
Calcium Carbonate	471-34-1	10 - 20%

SECTION III Hazards Identification

HMIS Rating

Health	2	0 = Minimum
Flammability	0	1 = Slight
Reactivity	0	2 = Moderate
Personal Protection	C	3 = Serious
		4 = Severe

Potential Health Effects: Note: Potential health effects may vary depending on duration and level of exposure and individual sensitivity. To reduce health hazards associated with this product, use personal protective gear and exposure control as indicated in Section 8.

Eye Contact:
(Acute/Chronic) Cement dust can cause inflammation of the cornea. Prolonged exposure to larger amounts of material can lead to chemical irritation and possibly burns.

Skin Contact:

(Acute) Exposure to dry product can cause skin irritation. Avoid skin contact. Wet cement may dry the skin and cause alkali burns. Extremely sensitive people may develop an allergic dermatitis.
(Chronic) Exposure of dry material to wet skin or wet material to skin may cause more severe skin effects including, irritation, cracking or chemical burns.
(Acute/Chronic) It is possible some people may have allergic reactions to components of the materials. The response to exposure can vary from severe skin rash to skin ulcers.

Ingestion:
Unlikely to occur; could cause irritation, nausea, diarrhea, ulceration of the digestive tract.

Inhalation:
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 Emergency and First Aid Measures

Emergency Information: The product is a light gray blend of Portland Cement based powders. When in contact with moisture (eyes or skin) or once mixed with water it develops a highly pH > 12 and is highly caustic. It can develop chemical burns on sensitive skin or in eyes. Inhalation make cause irritation in mucous membranes of throat and nose. Inhalation can also lead to damage in upper respiratory and lungs including aggravating or creating lung diseases or conditions. Use personal protective gear and exposure control as indicated in Section 8.

Eye: Irrigate eyes thoroughly with water for at least 15 minutes. Consult a physician

Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing. If there are burns or irritation or inflammation persists, consult a physician.

Ingestion: Do not induce vomiting. Dilute immediately with water. Consult a physician.

Inhalation**:** Remove to fresh air. If breathing has stopped, begin artificial respiration or administer oxygen 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_2
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.
Storage: Keep container closed when not in use.

SECTION VIII Exposure Controls/Personal Protection

Eye/Face Protection: Use safety glasses with side shields.
Hand Protection: Avoid skin contact. Wear rubber or plastic gloves.
Skin Protection: Avoid skin contact. Wear long sleeved, body covering clothes.
Respiratory Protection: Use a properly fitted NIOSH-approved respirator.
Work/Hygienic Practices: Avoid contact with skin, eyes and clothing. Wash exposed areas thoroughly with soap and water after handling.
Engineering Controls: Have good general and local exhaust ventilation in area.
Other/General Protection:

Ingredients – Exposure Limits:

Cement – Portland
- ACGIH TLV–TWA – 10 mg/m3
- OSHA PEL–TWA – 15 mg/m3 (total dust)
- OSHA PEL-TWA – 5 mg/m3 (respirable dust)

Silica, Quartz
- ACGIH TLV-TWA 0.1 mg/me (Notice of Intended Change)
- ACGIH TLV-TWA 0.05 mg/m3 (Proposed)
- OSHA PEL-TWA 30/%SiO2+2 mg/m3
- OSHA PEL-TWA 10/%SiO2+2 mg/m3
- OSHA PEL-TWA 250/%SiO+5 mppcf
- NIOSH REL-TWA - 5 mg/m3 (respirable dust)

Calcium Carbonate
- ACGIH TLV–TWA – 10 mg/m3
- OSHA PEL–TWA – 15 mg/m3 (total dust)
- OSHA PEL-TWA – 5 mg/m3 (respirable dust)
- MSHA PEL-TWA – 15 mg/m3 (total dust)

Trace Ingredients:

Due to the use of raw materials mined from the earth, trace amounts of other naturally occurring materials may be detected during chemical analysis. This may include materials considered harmful.

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 l986 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

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.

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