

MATERIAL SAFETY DATA SHEET

FLOW-ROCK

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: www.lyonsmanufacturing.com
Emergency Phone: 214/381-8100	
Product Name: FLOW-ROCK	
CAS No: Not established	
Chemical Family: Cementitious Mortar	

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

SECTION III Hazards Identification
<p><u>Eye Hazards:</u> Eye Irritant. Cement dust can cause inflammation of the cornea. Irrigate immediately with water. Consult a physician if necessary.</p> <p><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.</p> <p><u>Ingestion Hazards:</u> Unlikely to occur; could cause irritation, nausea, diarrhea, ulceration of the digestive tract.</p> <p><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.</p>

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 CO₂

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/m³

<p>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</p>

SECTION IX	Physical and Chemical Properties
<u>Appearance:</u>	Gray or White Mortar
<u>Odor:</u>	No odor
<u>Chemical Type:</u>	Mixture
<u>Physical State:</u>	Solid
<u>Solubility:</u>	Partially soluble

SECTION X	Stability and Reactivity
<u>Stability:</u>	Stable
<u>Hazardous Polymerization:</u>	Will not occur
<u>Conditions to Avoid (Stability):</u>	None known
<u>Incompatible Materials:</u>	None known
<u>Hazardous Decomposition Products:</u>	None known; material is highly alkaline, avoid contact with acids.

SECTION XI	Toxicological Information
<u>Conditions Aggravated by Exposure:</u>	Eye disease, skin disorders, chronic respiratory conditions.
<u>Ingredient(s) – Carcinogenicity:</u>	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
<p><u>U. S. Federal Regulations:</u> OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)</p> <p>All ingredients of this product are listed or are excluded from listing under the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.</p> <p><u>SARA Hazard Classes</u></p> <p>Immediate Health Hazard Chronic Health Hazard</p> <p><u>SARA Section 313 Notification:</u> Does not contain any ingredient regulated under Section 313 of the Emergency Planning and Community Right-to-know Act of 1986 or 40CFR 372.</p> <p><u>State Regulations:</u> 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.</p>	

SECTION XVI	Other Information								
<p><u>HMIS Rating:</u></p> <table style="margin-left: 40px;"> <tr> <td>Health</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Fire</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PPE</td> <td style="text-align: center;">C</td> </tr> </table>		Health	2	Fire	0	Reactivity	0	PPE	C
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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.