

## 1. Product and Company Identification

Company : Lyons Manufacturing, Inc.  
Address : 8900 Forney Rd, Dallas, TX 75227  
Telephone : 214.381.8100  
Emergency Phone : 800.255.3924, 813.248.0585 (ChemTel)  
Article Number : SC  
Product Use : Concrete Surfacers  
Restrictions on use : No further relevant information available.

## 2. Hazards Identification/Exposure Limits

### Classification of the substance or mixture:



GHS08 Health hazard

Carc. 1A H350 May cause cancer.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

**Additional information:** There are no other hazards not otherwise classified that have been identified.  
0 percent of the mixture consists of ingredient(s) of unknown toxicity.

### Label elements

**GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).

### Hazard pictograms:



GHS05 GHS07 GHS08

**Signal word:** Danger

### Hazard-determining components of labeling:

Cement, portland, chemicals

Quartz (SiO<sub>2</sub>)

Plaster of Paris (Calcium sulfate)

### Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

## 2. Hazards Identification/Exposure Limits

H350	May cause cancer.
H335	May cause respiratory irritation.
Precautionary statements:	
P261	Avoid breathing dust.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before reuse.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P302+P352	If on skin: Wash with plenty of water.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description:

WHMIS-symbols: As of 11 February 2015, the current WHMIS system is being replaced by the GHS system. This is the classification under the older system.  
D2B - Toxic material causing other toxic effects.

**Classification system:**



**HMIS® ratings (scale 0 - 4)**

<b>Health:</b>	<b>*2</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>

**NFPA ratings (scale 0 - 4)**

<b>Health:</b>	<b>2</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>



**Other hazards:**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3. Composition/Information On Ingredients

**Chemical characterization:** Mixtures.

**Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous components:**

65997-15-1	Cement, portland, chemicals  Eye Dam. 1, H318  Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	60-80%
14808-60-7	Quartz (SiO <sub>2</sub> )  Carc. 1A, H350	10-20%
471-34-1	Calcium carbonate	10-20%
26499-65-0	Plaster of Paris (Calcium sulfate)  Eye Dam. 1, H318  Skin Irrit. 2, H315	5-10%

**Additional information:** For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

## 4. First Aid Procedures

### Description of first aid measures

**General information:** Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.

**After inhalation:** Supply fresh air; consult a doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration.

**After skin contact:** Brush off loose particles from skin. Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**After eye contact:** Protect unharmed eye. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

### Information for doctor:

#### Most important symptoms and effects, both acute and delayed:

Coughing.

Breathing difficulty.

Strong irritant with the danger of severe eye injury.

Gastric or intestinal disorders when ingested.

Allergic reactions.

Irritant to skin and mucous membranes.

May cause respiratory irritation.

Nausea in case of ingestion.

### Danger:

Danger of impaired breathing.

Causes serious eye damage.

**Indication of any immediate medical attention and special treatment needed:** Medical supervision for at least 48 hours. If necessary oxygen respiration treatment. Treat skin and mucous membrane with antihistamine and corticoid preparations. Contains Cement, portland, chemicals. May produce an allergic reaction.

## 5. Firefighting Measures

### Extinguishing media:

**Suitable extinguishing agents:** The product is not flammable. Use fire-fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents:** None.

**Special hazards arising from the substance or mixture:** Formation of toxic gases is possible during heating or in case of fire.

### Advice for firefighters:

#### Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information:** No further relevant information available.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Avoid formation of dust.

**Environmental precautions:** Do not allow to enter sewers/surface or ground water. Damp down dust with water spray.

**Methods and material for containment and cleaning up:** Pick up mechanically. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Send for recovery or disposal in suitable receptacles.

### Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and Storage

### Handling:

**Precautions for safe handling:** Use only in well ventilated areas. Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

### Conditions for safe storage, including any incompatibilities:

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle. Protect from humidity and water.

**Information about storage in one common storage facility:** Store away from foodstuffs. Do not store together with acids.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles. Keep receptacle tightly sealed.

**Specific end use(s):** No further relevant information available.

## 8. Exposure Controls/Personal Protection

**Additional information about design of technical systems:** No further data; see section 7.

### Control parameters

<b>Components with limit values that require monitoring at the workplace:</b>	
<b>65997-15-1 Cement, portland, chemicals</b>	
PEL (U.S.A.)	Long-term value: 50 mppcf or 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (U.S.A.)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (U.S.A.)	Long-term value: 1* mg/m <sup>3</sup> E; *as respirable fraction
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust; **respirable fraction
EV (Canada)	Long-term value: 10(D) mg/m <sup>3</sup> total dust
LMPE (Mexico)	Long-term value: 1* mg/m <sup>3</sup> A4, *fracción respirable
<b>14808-60-7 Quartz (SiO<sub>2</sub>)</b>	
PEL (U.S.A.)	see Quartz listing
REL (U.S.A.)	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV (U.S.A.)	Long-term value: 0.025* mg/m <sup>3</sup> *as respirable fraction
EL (Canada)	Long-term value: 0.025 mg/m <sup>3</sup> ACGIH A2; IARC 1
EV (Canada)	Long-term value: 0.10* mg/m <sup>3</sup> *respirable fraction
LMPE (Mexico)	Long-term value: 0.025* mg/m <sup>3</sup> A2, *fracción respirable
<b>471-34-1 calcium carbonate</b>	
PEL (U.S.A.)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (U.S.A.)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (U.S.A.)	TLV withdrawn

## 8. Exposure Controls/Personal Protection (cont.)

26499-65-0 Plaster of Paris (Calcium sulfate)	
PEL (U.S.A.)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (U.S.A.)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
EL (Canada)	Short-term value: 20* mg/m <sup>3</sup> Long-term value: 10* 3** mg/m <sup>3</sup> *total dust; **respirable fraction

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls:

#### Personal protective equipment:

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale dust/smoke/mist. Avoid contact with the eyes and skin.

**Engineering controls:** No further relevant information available.

**Breathing equipment:** Suitable respiratory protective device recommended. Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable. Particulate mask should filter at least 99% of airborne particles.

#### Protection of hands:



Protective gloves: The glove material has to be impermeable and resistant to the product, substance, or preparation.

**Eye protection:** Contact lenses should not be worn.



Safety glasses.

**Body protection:** Protective work clothing.

**Limitation and supervision of exposure into the environment:** No further relevant information available.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties:

#### General Information:

#### Appearance:

**Form:** Powder.  
**Color:** Light grey.  
**Odor:** Odorless.  
**Odor threshold:** Not determined.  
**pH-value:** 10 - 12 (in solution).

**Flash point:** Not applicable.  
**Flammability (solid, gaseous):** Product is not flammable.  
**Auto-ignition temperature:** Not determined.  
**Decomposition temperature:** Not determined.  
**Auto igniting:** Product is not self-igniting.

#### Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

**Danger of explosion:** Product does not present an explosion hazard.



## 9. Physical and Chemical Properties (cont.)

<b>Explosion limits:</b>		<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Lower:</b>	Not determined.	<b>Viscosity:</b>	
<b>Upper:</b>	Not determined.	<b>Dynamic:</b>	Not applicable.
<b>Vapor pressure:</b>	Not applicable.	<b>Kinematic:</b>	Not applicable.
<b>Density:</b>	Not determined.	<b>Other information:</b>	No further relevant information available.
<b>Relative density:</b>	Not determined.		
<b>Vapor density:</b>	Not applicable.		
<b>Evaporation rate:</b>	Not applicable.		
<b>Solubility in/miscibility with water:</b>	Insoluble.		

## 10. Stability/Reactivity

**Reactivity:**

**Chemical stability:**

**Thermal decomposition/conditions to be avoided:** No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions:** Toxic fumes may be released if heated above the decomposition point. Exothermic reaction with acids. Reacts with certain metals. Reacts with strong acids and oxidizing agents.

**Conditions to avoid:** Avoid acids.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide. Sulfur oxides (SOx)

## 11. Toxicological Information

**Information on toxicological effects:**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:** None.

**Primary irritant effect:**

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Strong irritant with the danger of severe eye injury.

**Sensitization:** Sensitization possible through skin contact. Contains Cement, portland, chemicals. May produce an allergic reaction.

**Subacute to chronic toxicity:** No further relevant information available.

**Additional toxicological information:** Irritant. Danger through skin absorption. Toxic and/or corrosive effects may be delayed up to 24 hours.

**Carcinogenic categories:**

<b>NTP (National Toxicology Program):</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	K
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients are listed.		

## 11. Toxicological Information (cont.)

**Probable Routes of Exposure:**

Inhalation.  
Eye contact.  
Skin contact.

**Acute effects (acute toxicity, irritation and corrosivity):**

Irritating to respiratory system.  
Irritating to skin.

**Repeated Dose Toxicity:**

May cause cancer by inhalation.  
Repeated exposures may result in skin and/or respiratory sensitivity.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

Carc. 1A

## 12. Ecological Information

**Toxicity:**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse-off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**Other adverse effects:** No further relevant information available.

## 13. Waste Disposal Information

**Waste treatment methods:**

**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations.

## 14. Transportation Information

**UN-Number**

**DOT, ADR, ADN, IMDG, IATA:** Not regulated.

**UN proper shipping name**

**DOT, ADR, ADN, IMDG, IATA:** Not regulated.

**Transport hazard class(es)**

**DOT, ADR, ADN, IMDG, IATA Class:** Not regulated.

**Packing group**

**DOT, ADR, IMDG, IATA:** Not regulated.

**Environmental hazards:**

**Marine pollutant:** No.

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

**UN "Model Regulation":** -

## 15. Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**United States (U.S.A.):**

**SARA:**

<b>Section 355 (extremely hazardous substances):</b>	None of the ingredients are listed.
<b>Section 313 (Specific toxic chemical listings):</b>	None of the ingredients are listed.
<b>TSCA (Toxic Substances Control Act):</b>	Some ingredients listed.

**Proposition 65 (California):**

<b>Chemicals known to cause cancer:</b>	14808-60-7	Quartz (SiO <sub>2</sub> )	
<b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients are listed.		
<b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients are listed.		
<b>Chemicals known to cause developmental toxicity:</b>	None of the ingredients are listed.		

**Carcinogenic categories:**

<b>EPA (Environmental Protection Agency):</b>	None of the ingredients are listed.		
<b>IARC (International Agency for Research on Cancer):</b>	14808-60-7	Quartz (SiO <sub>2</sub> )	1
<b>TLV (Threshold Limit Value established by ACGIH):</b>	14808-60-7	Quartz (SiO <sub>2</sub> )	A2
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	14808-60-7	Quartz (SiO <sub>2</sub> )	
<b>State Right to Know Listings:</b>	None of the ingredients are listed.		

**Canadian substance listings:**

<b>Canadian Domestic Substances List (DSL):</b>	Some ingredients listed.		
<b>Canadian Ingredient Disclosure list (limit 0.1%):</b>	None of the ingredients are listed.		
<b>Canadian Ingredient Disclosure list (limit 1%):</b>	14808-60-7	Quartz (SiO <sub>2</sub> )	

**Other regulations, limitations and prohibitive regulations:** This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Chemical safety assessment:** A chemical safety assessment has not been carried out.

## 16. Other Information

This information is based on manufacturers present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

<b>ADR:</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)	<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods	<b>NFPA:</b>	National Fire Protection Association (U.S.A.)
<b>DOT:</b>	U.S. Department of Transportation	<b>HMIS:</b>	Hazardous Materials Identification System (U.S.A.)
<b>IATA:</b>	International Air Transport Association	<b>WHMIS:</b>	Workplace Hazardous Materials Information System (Canada)
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists	<b>LC50:</b>	Lethal concentration, 50 percent
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances	<b>LD50:</b>	Lethal dose, 50 percent
<b>ELINCS:</b>	European List of Notified Chemical Substances	<b>Skin Irrit. 2:</b>	Skin corrosion/irritation, Hazard Category 2
		<b>Eye Dam. 1:</b>	Serious eye damage/eye irritation, Hazard Category 1
		<b>Skin Sens.1:</b>	Sensitisation - Skin, Hazard Category 1
		<b>Carc. 1A:</b>	Carcinogenicity, Hazard Category 1A
		<b>STOT SE 3:</b>	Specific target organ toxicity - Single exposure, Hazard Category 3