

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 : SP205
 Product Use : Concrete Surfacers
 Restrictions on use : No further relevant information available.

2. Hazards Identification/Exposure Limits

Classification of the substance or mixture:



Health hazard

Carc. 1A H350 May cause cancer.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



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:

Quartz (SiO₂)
 Cement, portland, chemicals

Hazard statements:

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H350 May cause cancer.

2. Hazards Identification/Exposure Limits (cont.)

H335 May cause respiratory irritation.

Precautionary statements:

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 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.
 P308+P313 If exposed or concerned: Get medical advice/attention.
 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. DZA - very toxic material causing other toxic effects.

Classification system:

HMIS® ratings (scale 0 - 4)

Health:	*2
Fire:	0
Reactivity:	0

NFPA ratings (scale 0 - 4)

Health:	2
Fire:	0
Reactivity:	0



* - Indicates a long term health hazard from repeated or prolonged exposures.

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:

14808-60-7	Quartz (SiO ₂) ☠ Carc. 1A, H350	60-80%
65997-15-1	Cement, portland, chemicals ☞ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	20-40%
92704-41-1	Kaolin, calcined	1-5%

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. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Take affected persons out into the fresh air.

After inhalation: Supply fresh air; consult 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.

Allergic reactions.

Strong irritant with the danger of severe eye injury.

Gastric or intestinal disorders when ingested.

Breathing difficulty.

Irritant to skin and mucous membranes.

May cause respiratory irritation.

Nausea in case of ingestion.

Danger:

May cause cancer.

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: 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.

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

Components with limit values that require monitoring at the workplace:	
14808-60-7 Quartz (SiO₂)	
PEL (U.S.A.)	see Quartz listing
REL (U.S.A.)	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (U.S.A.)	Long-term value: 0.025* mg/m ³ *as respirable fraction
EL (Canada)	Long-term value: 0.025 mg/m ³ ACGIH A2; IARC 1
EV (Canada)	Long-term value: 0.10* mg/m ³ *respirable fraction
LMPE (Mexico)	Long-term value: 0.025* mg/m ³ A2, *fracción respirable
65997-15-1 Cement, portland, chemicals	
PEL (U.S.A.)	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
REL (U.S.A.)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (U.S.A.)	Long-term value: 1* mg/m ³ E; *as respirable fraction
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust; **respirable fraction
EV (Canada)	Long-term value: 10(D) mg/m ³ total dust
LMPE (Mexico)	Long-term value: 1* mg/m ³ A4, *fracción respirable
92704-41-1 Kaolin, calcined	
EL (Canada)	EL (Canada) Long-term value: 2 mg/m ³
EV (Canada)	EV (Canada) Long-term value: 2(D) mg/m ³ respirable
LMPE (Mexico)	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³ (j), A4

8. Exposure Controls/Personal Protection (cont.)

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. Store protective clothing separately. Do not inhale dust/smoke/mist. Avoid contact with the eyes and skin.

Engineering controls: No further relevant information available.

Breathing equipment: Dust mask recommended. Particulate mask should filter at least 99% of airborne particles. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

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).

Change in condition

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

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.

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

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure: Not applicable.

Density: Not determined.

Relative density: Not determined.

Vapor density: Not applicable.

Evaporation rate: Not applicable.

Solubility in / miscibility with water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not applicable.
Kinematic: Not applicable.

Other information: No further relevant information available.



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.

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. May cause cancer.

Carcinogenic categories:

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

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 damage to organs through prolonged or repeated exposure.
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.



12. Ecological Information (cont.)

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:

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: 14808-60-7 Quartz (SiO₂)

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogenic categories:

EPA (Environmental Protection Agency): None of the ingredients are listed.

IARC (International Agency for Research on Cancer): 14808-60-7 Quartz (SiO₂) 1

TLV (Threshold Limit Value established by ACGIH): 14808-60-7 Quartz (SiO₂) A2

NIOSH-Ca (National Institute for Occupational Safety and Health): 14808-60-7 Quartz (SiO₂)

State Right to Know Listings: None of the ingredients are listed.

15. Regulatory Information (cont.)

Canadian substance listings:

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

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:

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