

# Safety Data Sheet

## acc. To OSHA HCS

Revision Date: 11/25/2015

### 1 Identification

**Product Identifier** V4 System

**Article number:**

**Relevant Identified uses of the substance or mixture and uses advised against** No further relevant information available

**Application of the substance / the mixture**

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier** Lambert Corporation  
20 Coburn Ave. Orlando, FL 32805  
(407) 841-2940

**Emergency Telephone Number:** (800) 424-9300 - Chemtrec

**Information Department:** Environmental, Health, and Safety department

### 2 Hazard(s) Identification

**Classification of the substance or mixture**

Carc. 1A H350 May cause cancer.

**Label Elements**

**GHS label elements**

**Hazard Pictograms**



GHS08

**Signal Word** Danger

**Hazard-determining components of labeling:**

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

**Hazard Statements**

May cause cancer.

**Precautionary statements**

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood

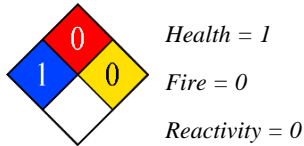
IF exposed or concerned: Get medical advice/attention.

Store locked up

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

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



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

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

**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:**

65997-16-2 Calcium Aluminate Cement

1317-65-3 Calcium Carbonate

14808-60-7 Quartz (SiO<sub>2</sub>)

65997-15-1 Cement, Portland

**Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First-Aid Measures

**Description of first aid measures**

**After Inhalation:** Supply fresh air; consult doctor in case of complaints

**After Skin Contact:** If skin irritation continues, consult a doctor

**After Eye Contact:** Rinse opened eye for several minutes under running water.

**After Swallowing:** Seek medical treatment

**Most important symptoms and effects, both acute and delayed:** No further information available

**Indication of any immediate medical attention and special treatment needed:** No further information available

## 5 Fire-Fighting Measures

### Extinguishing media:

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder, foam. Fight larger fires with water spray

**For safety reasons unsuitable extinguishing agents:** Water

**Special hazards arising from the substance or mixture:** No further relevant information available

### Advice for firefighters:

**Protective equipment:** Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode

## 6 Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

**Environmental procedures:** No special measures required

**Methods and material for containment and cleaning up:** Pick up mechanically

### 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

**Precautions for safe handling:** Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

**Information for protection against explosions and fires:** No special requirements

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

**Storage:** No special requirements

**Requirements to be met by storerooms and receptacles:** No special requirements

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None

**Specific end use(s):** N/A

## 8 Exposure Controls/Personal Protection

**Additional information about design of technical systems:** N/A

**Control parameters:**

**Components with limit values that require monitoring at the workplace:**

**14808-60-7 Quartz (SiO<sub>2</sub>)**

PEL See Quartz listing

REL Short-term value: 0.05\* mg/m<sup>3</sup>  
\*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025\* mg/m<sup>3</sup>  
\*as respirable fraction

**65997-15-1 Cement, portland**

PEL Long-term value: 50 mppcf or 15\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fraction

REL Long-term value: 10\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fraction

TLV Long-term value: 1\* mg/m<sup>3</sup>  
E; \*as 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:**

Wash hands before breaks and at the end of work

**Breathing equipment** Not required

**Protection of hands:**



Protective Gloves

**Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

**Eye protection:** Wear appropriate eye protection to prevent eye contact.

## 9 Physical and Chemical Properties

**Information of basic physical and chemical properties**

**General information**

<b>Appearance:</b>	
<b>Form:</b>	<i>Solid</i>
<b>Color:</b>	<i>According to product specification</i>
<b>Odor:</b>	<i>Characteristic</i>
<b>Odor threshold:</b>	<i>Not determined</i>
<b>pH- value:</b>	<i>Not applicable</i>
<b>Change in condition:</b>	
<b>Melting point/Melting range:</b>	<i>Not determined</i>
<b>Boiling point/Boiling range:</b>	<i>Not determined</i>
<b>Flash point:</b>	<i>Not applicable</i>
<b>Flammability (solid, gaseous):</b>	<i>Not determined</i>
<b>Ignition temperature:</b>	<i>Not determined</i>
<b>Decomposition temperature:</b>	<i>Not determined</i>
<b>Auto igniting:</b>	<i>Not self-igniting</i>
<b>Danger of explosion:</b>	<i>Product is not explosive</i>
<b>Explosion limits:</b>	
<b>Lower:</b>	<i>Not determined</i>
<b>Upper:</b>	<i>Not determined</i>
<b>Vapor pressure at 20 °C (68 °F):</b>	<i>Not applicable</i>
<b>Density at 20 °C (68 °F)</b>	<i>2.74819 g/cm<sup>3</sup> (22.934 lbs/gal)</i>
<b>Relative density:</b>	<i>Not determined</i>
<b>Vapor density:</b>	<i>Not applicable</i>
<b>Evaporation rate:</b>	<i>Not applicable</i>
<b>Solubility in / Miscibility with Water:</b>	<i>Soluble</i>
<b>Partition coefficient (n-octanol/water)</b>	<i>Not determined</i>
<b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not determined</i>
<b>Kinematic:</b>	<i>Not determined</i>
<b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>0.00%</i>
<b>Solids content:</b>	<i>100.00%</i>
<b>Other information:</b>	<i>None</i>
<b>Volatile organic compounds:</b>	<i>Contains less than 800 g/L</i>

## 10 Stability and Reactivity

**Reactivity:**

**Chemical stability:**

**Thermal decomposition / Conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** Keep away from heat and sources of ignition

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

**Hazardous decomposition products:** No dangerous decomposition products known

**11 Toxicological Information:****Information on toxicological effects:****Acute toxicity:****Primary irritant effect:**

**on the skin:** May cause skin irritation

**on the eye:** No irritating effect known

**Sensitization:** No sensitizing effects known

**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

14808-60-7 Quartz (SiO<sub>2</sub>)

**NTP (National Toxicology Program)**

14808-60-7 Quartz (SiO<sub>2</sub>)

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients listed.

**12 Ecological Information****Toxicity:**

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

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

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

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

**Additional ecological information:****General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable

**vPvB:** *Not applicable*

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

### 13 Disposal Considerations

**Waste treatment methods:**

**Recommendation:** *Must not be disposed of as normal garbage. Do not allow product to reach sewage system. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.*

**Uncleaned packagings:**

**Recommendation:** *Disposal must be made according to Federal, State, and Local regulations*

### 14 Transport 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, IMDG, IATA**

**Class** *Not regulated*

**Packing group:**

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

**Environmental hazards:**

**Marine pollutant:** *No*

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

**Transport/Additional information:**

**ADR:**

**U.S. Domestic Ground Shipments:** *Same as listed for Standard Shipments above.*

**U.S. Domestic ground Non-Bulk (119 gal or less per container) Shipments:** *Same as listed for Standard Shipments above.*

**Emergency Response Guide (ERG) Number:** *Not determined*

**IMDG**

**Limited quantities (LQ)** *5L*

**Excepted quantities (EQ)** *Code: E1*

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

N/E

### 15 Regulatory information

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

**Sara:**

**Section 355 (extremely hazardous substances):** None of the ingredient listed

**Section 313 (Specific toxic chemical listings):** This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below

**TSCA (Toxic Substances Control Act):**

14808-60-7 Quartz (SiO<sub>2</sub>)

65997-15-1 Cement, Portland

**Proposition 65:**

**Chemicals known to the State of California (Prop. 65) to cause cancer:**

14808-60-7 Quartz (SiO<sub>2</sub>)

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients listed.

**Carcinogenicity categories:**

**EPA (Environmental Protection Agency):**

None of the ingredients listed.

**TLV (Threshold Limit Value established by ACGIH):**

14808-60-7 Quartz (SiO<sub>2</sub>)

**MAK (German Maximum Workplace Concentration):**

14808-60-7 Quartz (SiO<sub>2</sub>)

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7 Quartz (SiO<sub>2</sub>)

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

**Hazard pictograms:**





GHS08

**Signal word:** *Danger*

**Hazard-determining components of labeling:**

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

**Hazard statements:**

*May cause cancer*

**Precautionary statements:**

*Wear protective gloves/protective clothing/eye protection/face protection.*

*Obtain special instructions before use*

*Do not handle until all safety precautions have been read and understood*

*IF exposed or concerned: Get medical advice/attention*

*Store locked up*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

**National regulations:**

**Information about limitation of use:**

*Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases*

**Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water*

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

## 16 Other Information

**Department issuing MSDS:** *Environmental, Health & Safety Department*

**Contact:** *Environmental, Health & Safety Manager*

**Date of preparation / Last revision:** *11/25/2015*

**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)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Carc. 2: Carcinogenicity, Hazard Category 2*

*Repr. 2: Reproductive toxicity, Hazard Category 2*

*STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*