

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/12/2006

Reviewed on 06/12/2006

1 Identification of substance

- **Product details**

- **Trade name:** Venetian MicroTop™

- **Article number:** MT401B (bag), MT401P (pail)

- **Application of the substance / the preparation**

- **Manufacturer/Supplier:**

Legacy™ Decorative Concrete Systems, Inc.
3421 Lumber Ln.
Springfield, IL 62707

Tel.: (866) 684-9394

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Call Legacy 24 hours a day at 866-684-9394.

- **Information department:** Environmental, Health, and Safety department.

2 Composition/Data on components

- **Chemical characterization**

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

- **Dangerous components:**

14808-60-7	Quartz (SiO ₂)	50-75%
65997-15-1	Cement, portland, chemicals	10-25%
7778-18-9	calcium sulphate, natural	≤ 10%
1317-65-3	Limestone	≤ 5%

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

3 Hazards identification

- **SILICOSIS WARNING**

WARNING Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. All applicators / installers of Venetian MicroTop™, concrete finishers and all on-site personnel must wear an OSHA-NIOSH approved fitted dust respirator while applying or working around Venetian MicroTop™. Avoid contact with eyes and skin. Wear rubber gloves to protect the skin and eye goggles to protect the eyes. Before using this product completely read the Venetian MicroTop™ Technical Data Sheet and MSDS Sheet. Close container after each use. KEEP OUT OF REACH OF CHILDREN.

HAZARDOUS INGREDIENTS This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

Silica, Crystalline Quartz: OSHA PEL = 5mg/m³, ACGH-TLV = 5mg/m³, CAS NO. 65997-15-1. Repeated inhalation and prolonged exposure may result in delayed lung injury especially with those with existing reparatory ailments. Acute Silicosis may develop in a short time with heavy exposure. Silicosis can be progressive and cause death.

- **Hazard description:** May cause skin and eye irritation.

- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

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



Health = 1
Fire = 0
Reactivity = 0

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· HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	0	Fire = 0
PHYSICAL HAZARD	0	Reactivity = 0

4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** No special precautions are necessary if used correctly.
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
 - **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:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

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

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

14808-60-7 Quartz (SiO₂)

REL 0.05* mg/m³
*Respirable dust
TLV (0.05 R) mg/m³
NIC-0.025 R

65997-15-1 Cement, portland, chemicals

REL 50 mppcf or 15*; 5** mg/m³
*Total dust **Respirable fraction
REL 10*; 5** mg/m³
*Total dust **Respirable fraction
TLV 10 mg/m³
(e)

7778-18-9 calcium sulphate, natural

REL 15*; 5** mg/m³
*Total dust **Respirable fraction
REL 10*; 5** mg/m³
*Total dust **Respirable fraction
TLV 10 mg/m³
(e)

1317-65-3 Limestone

REL 15*; 5** mg/m³
*Total dust **Respirable fraction
REL 10*; 5** mg/m³
*Total dust **Respirable fraction
TLV 10 mg/m³
(e)

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

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9 Physical and chemical properties

· General Information

Form:	Solid
Color:	Grey
Odor:	Slight

· Change in condition

Melting point/Melting range: NA
Boiling point/Boiling range: Not Applicable.

· **Flash point:** Not applicable.

· **Auto igniting:** Product is not selfigniting.

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

· **Density at 20°C (68°F):** 2.55 g/cm³

· Solubility in / Miscibility with

Water: Insoluble.

· Solvent content:

Organic solvents: 0.0 %

· **Volatile Organic Compounds:** Not determined

10 Stability and reactivity

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

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** May cause eye irritation.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
 Irritant

13 Disposal considerations

· **Product:**

· **Recommendation:** Must not be disposed of as normal garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- | | |
|---|--|
| · Limited Quantity Exemption: | No Limited Quantity exemption applies for this shipping class. |
| · 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 |
| · Maritime transport IMDG: | |
| · Marine pollutant: | No |

15 Regulations

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is 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.

1344-28-1	aluminium oxide	£1%
554-13-2	lithium carbonate	£0.1%

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

All ingredients are listed.

· **Proposition 65**· **Chemicals known to the State of California (Prop. 65) to cause cancer:**14808-60-7 Quartz (SiO₂)· **Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:**

554-13-2 lithium carbonate

· **Carcinogeny categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

14808-60-7	Quartz (SiO ₂)	1
13463-67-7	titanium dioxide	3
1309-37-1	diiron trioxide	3

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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· TLV (Threshold Limit Value established by ACGIH)		
14808-60-7	Quartz (SiO ₂)	A2
1344-28-1	aluminium oxide	A4
13463-67-7	titanium dioxide	A4
1309-37-1	diiron trioxide	A4
1344-95-2	Silicic acid, calcium salt	A4
· MAK (German Maximum Workplace Concentration)		
14808-60-7	Quartz (SiO ₂)	1
1344-28-1	aluminium oxide	2
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Quartz (SiO ₂)	
13463-67-7	titanium dioxide	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:** Xi Irritant

· **Risk phrases:** 37/38 Irritating to respiratory system and skin.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 8 Keep container dry.
- 36 Wear suitable protective clothing.

16 Other information

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