

ISSUE DATE 8/19/2019  
REVIEWED ON 8/19/2019

# SAFETY DATA SHEET

OSHA HAZCOM STANDARD 29 CFR 1910.1200(G) AND GHS REV 03



## VERTICAL SYSTEMS

**SIMPLE ONE DOSE ADMIX POWDER WITH  
PROPRIETARY SYSTEM THAT REDUCES CRACKING**

**OPTIMUM CARVING PROPERTIES, EXCELLENT ADHESION  
FOR VERTICAL & OVERHEAD APPLICATIONS**

**40 GROSSETT DRIVE, SUITE 200, KIRKWOOD, NY 13795  
1 (800) 475-1975 • (607) 775-1948 • WWW.TRINIC.US • @TRINICLLC**   

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

- **Trade Name:** Car-VZ Admix
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** No further relevant information available

### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

#### Manufacturer/Supplier:

Trinic LLC.  
 40 Grosset Drive, Suite 200  
 Kirkwood, NY 13795  
 www.TRINIC.us  
 (800) 475-1975 - toll free (US only)

#### Emergency telephone number:

Chemtrec (US): (800) 424-9300  
 Chemtrec (outside US): (703) 527-3887 (collect calls accepted)

## 2. HAZARD(S) IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE



Health Hazard

Carc. 1A  
 STOT RE 1

H350 May cause cancer

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



STOT SE 3  
 Eye Irrit. 2B

H335 May cause respiratory irritation.

H320 Causes eye irritation.

### LABEL ELEMENTS

- **Hazard pictograms:**



- **Signal word:** Danger

## **2. HAZARD(S) IDENTIFICATION (CONT.)**

- **Hazard-determining components of labeling:**

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

Titanium Dioxide

- **Hazard statements:**

H320 - Causes eye irritation.

H350 - May cause cancer.

H335 - May cause respiratory irritation.

H372 - Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Precautionary statements:**

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P312 - Call a poison center/doctor if you feel unwell.

P314 - Get medical advice/attention if you feel unwell.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2. HAZARD(S) IDENTIFICATION (CONT.)

### UNKNOWN ACUTE TOXICITY

This value refers to knowledge of known, established toxicological or ecotoxicological values. 0% of the mixture consists of component(s) of unknown toxicity.

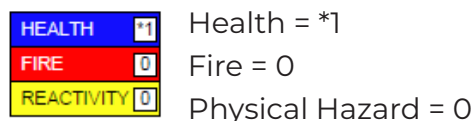
### CLASSIFICATION SYSTEM

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



### HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC)

None known

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### CHEMICAL CHARACTERIZATION

Mixtures

### DESCRIPTION

Non-regulated Material

DANGEROUS COMPONENTS		
CAS: 14808-60-7 RTECS: VV 7330000	Quartz (SiO <sub>2</sub> ) ----- ☠ Carc. 1A, H350; STOT RE 1, H372; ☠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	15 - 35%
CAS: 13463-67-7	Titanium Dioxide ----- ☠ Carc. 2, H351	≤ 2.5%

### ADDITIONAL INFORMATION

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

## **4. FIRST-AID MEASURES**

### **DESCRIPTION OF FIRST AID MEASURES**

- **General information:** Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in the side position for transportation.
- **After skin contact:** If skin irritation occurs, consult a doctor.
- **After eye contact:** Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor. If easy to do so, remove contact lenses if worn. If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.

### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Quartz: Can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death; inhaled from occupational sources is classified as carcinogenic to humans. Some studies show in workers exposed to respirable quartz excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease, chronic bronchitis and emphysema.

### **INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No further relevant information available.

## **5. FIRE-FIGHTING MEASURES**

### **EXTINGUISHING MEDIA**

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.

### **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

No further relevant information available.

### **ADVICE FOR FIREFIGHTERS**

- **Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Not required.

### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers / surface or ground water.

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

### 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.

### PROTECTIVE ACTION CRITERIA FOR CHEMICALS

• **PAC-1:**

14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>
13463-67-7	Titanium Dioxide	30 mg/m <sup>3</sup>

• **PAC-2:**

14808-60-7	Quartz (SiO <sub>2</sub> )	33 mg/m <sup>3</sup>
13463-67-7	Titanium Dioxide	330 mg/m <sup>3</sup>

• **PAC-3:**

14808-60-7	Quartz (SiO <sub>2</sub> )	200 mg/m <sup>3</sup>
13463-67-7	Titanium Dioxide	2,000 mg/m <sup>3</sup>

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

- Avoid creating and breathing dust/fume/gas/mist/vapors/spray. Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- **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.

### 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 OCCUPATIONAL EXPOSURE LIMITS	
<b>14808-60-7 Quartz (SiO<sub>2</sub>)</b>	
PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL	Long-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
<b>13463-67-7 Titanium Dioxide</b>	
PEL	Long-term value: 15* mg/m <sup>3</sup> *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 10 mg/m <sup>3</sup>

**ADDITIONAL INFORMATION**

The lists that were valid during the creation of this SDS were used as basis.

**EXPOSURE CONTROLS**

**GENERAL PROTECTIVE AND HYGIENIC MEASURES**

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

**PERSONAL PROTECTIVE EQUIPMENT**

- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.  
**Material of gloves:** Not applicable.  
**Penetration time of glove material:** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

- Eye protection:



Tightly sealed goggles

### LIMITATION AND SUPERVISION OF EXPOSURE INTO THE ENVIRONMENT

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:**
  - Form: Powder
  - Color: White
- **Odor:** Odorless
- **Odor threshold:** Not determined
- **pH-value:** Not applicable
- **Change in condition:**
  - Melting point/Melting range: Not determined
  - Boiling point/Boiling range:  $\geq 2,230$  °C ( $\geq 4,046$  °F)
- **Flash point:** None
- **Flammability (solid, gaseous):** Not determined
- **Ignition temperature:** Not applicable
- **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 @ 1732 °C (3,149.6 °F):**  $\leq 13.5$  hPa ( $\leq 10.1$  mm Hg)



**9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)**

• <b>Density @ 20 °C (68 °F):</b>	≥2.2464-≤2.2711 g/cm <sup>3</sup> (≥18.7462-≤18.9523 lbs/gal)
Relative density:	Not determined
Vapor density:	Not applicable
Evaporation rate:	Not applicable
• <b>Solubility in / Miscibility with:</b>	
Water:	Insoluble
• <b>Partition coefficient (n-octanol/water):</b>	Not determined
• <b>Viscosity:</b>	
Dynamic:	Not applicable
Kinematic:	Not applicable
• <b>Solvent content:</b>	
VOC content:	0.00 %
Solids content:	100.0 %

**OTHER INFORMATION**

No further relevant information available.

**10. STABILITY AND REACTIVITY****REACTIVITY**

No further relevant information available.

**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**

No further relevant information available.

**INCOMPATIBLE MATERIALS**

Contact with fluorine, oxygen difluoride, and chlorine trifluoride will cause fire.

**HAZARDOUS DECOMPOSITION PRODUCTS**

No dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION**

**INFORMATION ON TOXICOLOGICAL EFFECTS**

- Acute toxicity:

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION		
<b>14808-60-7 Quartz (SiO2)</b>		
Oral	LD50	>22,500 mg/kg (Rat) mg/kg (Rabbit)
Inhalative	LC50/96 hours	1,033 mg/l (Trout)
<b>13463-67-7 Titanium Dioxide</b>		
Oral	LD50	>10,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (Rat)

- **Primary irritant effect:**

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

**On the eye:** Irritating effect.

- **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories:**

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

“In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that “carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.” (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. “There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk.” (SCOEL SUM Doc 94-final,

**11. TOXICOLOGICAL INFORMATION (CONT.)**

June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.”

(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: “No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints.”

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

14808-60-7	Quartz (SiO2)	1
13463-67-7	Titanium Dioxide	2B

NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO2)	K

- **OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients are listed.

**12. ECOLOGICAL INFORMATION**

**TOXICITY**

AQUATIC TOXICITY	
14808-60-7 Quartz (SiO2)	
EC50	218 mg/l (Green algae)
13463-67-7 Titanium Dioxide	
EC50	>1,000 mg/l (Water flea)

**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 3 (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course, or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.
- **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 METHOD RECOMMENDATION**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

**UNCLEANED PACKAGING RECOMMENDATION**

Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

- **UN-Number:**  
DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **UN proper shipping name:**  
DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **Transport hazard class(es):**  
DOT, ADR/ADN, ADN, IMDG, IATA Class Non-Regulated Material
- **Packing group:**  
DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **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":** Non-Regulated Material

## 15. REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

#### SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION)

- **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 components have the value ACTIVE.
- **Hazardous Air Pollutants:** None of the ingredients are listed.

#### CALIFORNIA PROPOSITION 65

- **Chemicals known to cause cancer:**  
14808-60-7 Quartz (SiO<sub>2</sub>)  
13463-67-7 Titanium Dioxide
- **Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.

## 15. REGULATORY INFORMATION

- **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.
- **New Jersey Right-to-Know List:**  
14808-60-7 Quartz (SiO<sub>2</sub>)  
13463-67-7 Titanium Dioxide
- **New Jersey Special Hazardous Substance List:** 14808-60-7 Quartz (SiO<sub>2</sub>)
- **Pennsylvania Right-to-Know List:**  
14808-60-7 Quartz (SiO<sub>2</sub>)  
13463-67-7 Titanium Dioxide
- **Pennsylvania Special Hazardous Substance List:** None of the ingredients are listed.

### CARCINOGENIC CATEGORIES

- **EPA (Environmental Protection Agency):** None of the ingredients are listed.
- **TLV (Threshold Limit Value established by ACGIH):**  
14808-60-7 Quartz (SiO<sub>2</sub>) A2  
13463-67-7 Titanium Dioxide A4
- **NIOSH-Ca (National Institute for Occupational Safety and Health):**  
14808-60-7 Quartz (SiO<sub>2</sub>)  
13463-67-7 Titanium Dioxide

### GHS LABEL ELEMENTS

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

- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**  
Quartz (SiO<sub>2</sub>)  
Titanium Dioxide

## 15. REGULATORY INFORMATION (CONT.)

- **Hazard statements:**

H320 Causes eye irritation.

H350 May cause cancer.

H335 May cause respiratory irritation.

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional national/international regulations.

### NATIONAL REGULATIONS

None of the ingredients are listed.

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

## **16. OTHER INFORMATION**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**DATE OF LAST REVISION / REVISION NUMBER:** 08/19/2019

### **ABBREVIATIONS AND ACRONYMS**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- 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)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
- Carc. 1A: Carcinogenicity – Category 1A
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

\* Data compared to the previous version altered.