

50	1317-65-3 *Limestone	30-
10	13463-67-7 *Titanium Dioxide	5-
0.99	14808-60-7 *Quartz (SiO ₂)	0.1-

3. Hazards Identification

3.1 Emergency Overview

Appearance

Orange putty

Odor

Odorless

CAUTION!

Not a significant fire hazard.

May cause irritation of nose, throat and lungs if allowed to become airborne.

May cause eye irritation

- **HMIS Rating**

HEALTH = 1 (slight)

FLAMMABILITY = 0 (minimal)

REACTIVITY = 0 (minimal)

CHRONIC = *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION: No hazards known to company.

INHALATION: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause

irritation of nose, throat and lungs.

SKIN: May cause irritation on prolonged or repeated contact.

EYES: May cause irritation on prolonged or repeated contact.

• Delayed Hazards

Calcium Carbonate (CaCO₃) 471-34-1

Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Limestone 1317-65-3

Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Titanium Dioxide 13463-67-7

Inhalation at approximately 50 times the level permitted in an occupational environment caused a slight increase in lung tumor incidence in laboratory animals. No tumors were found at lower exposure levels. This material is not listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

Can cause lung fibrosis. Pre-existing respiratory disorders may be aggravated by exposure.

Quartz (SiO₂) 14808-60-7

CANCER HAZARD. Can cause cancer. Use of this product may generate silica dust (which may be invisible). Inhaled silica has been classified by IARC as a human carcinogen.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN: In case of irritation, flush with water.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature	Not available
Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	Not applicable

Will not burn.
In case of fire, water should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Sweep (scoop) up and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid prolonged or repeated breathing of dust or vapor.

SKIN: Avoid prolonged or repeated contact with skin and clothing.

EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Store in a cool, dry place.
Keep containers tightly closed.
Do not store or handle at temperatures in excess of 130°F.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Calcium Carbonate (CaCO₃) 471-34-1
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable fraction; 15 mg/m³ TWA
total dust
Limestone 1317-65-3
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable particulates; 15 mg/m³ TWA
total dust
Titanium Dioxide 13463-67-7
ACGIH TLV: 10 mg/m³ TWA
OSHA PEL: 15 mg/m³ TWA, total dust
REMANDED PEL: 10 mg/m³ TWA, Total dust
OSHA 1989 PEL remanded, but in effect in some states
Quartz (SiO₂) 14808-60-7
ACGIH TLV: 0.05 mg/m³ TWA, respirable fraction, A2 - See Appendix A
OSHA PEL: 10/(%SiO₂ + 2) mg/m³ TWA, respirable dust;

30/(%SiO₂ + 2) mg/m³ TWA, total dust

REMANDED PEL: 0.1 mg/m³ TWA, respirable dust

OSHA 1989 PEL remanded, but in effect in some states

OTHER: NIOSH has recommended a permissible exposure limit of 50 micrograms

respirable free silica per cubic meter of air (0.05 mg/m³) averaged over a workshift of up to 10 hours per day, 40 hours per week. NIOSH publications, including the NIOSH Criteria Document for Crystalline Silica, should be consulted for more detailed information.

9. Physical and Chemical Properties

Percent Volatiles	Not applicable
pH @ 25 C	Not applicable
Specific Gravity	1.70
Appearance	Orange putty
Autoignition Temperature	Not available
Boiling Point	Not available
Vapor Density (Air=1)	Not applicable
Vapor Pressure, mm Hg @ 20 C	Not applicable
Evaporation Rate (Butyl Acetate=1)	Not applicable
Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	Not applicable
Freezing Point	Not available
Odor	Odorless
Odor Threshold, ppm	Not available
Solubility in Water	Insoluble

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- Incompatibilities:**

None known to company.

- Decomposition products may include:**

Oxides of carbon.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

Calcium Carbonate (CaCO₃) 471-34-1

LC50: Not available

LD50: orl-rat=6450 mg/kg (RTECS)

Limestone 1317-65-3

LC50: Not available

LD50: Not available

Titanium Dioxide 13463-67-7

LC50: Not available

LD50: Not available

Quartz (SiO₂) 14808-60-7

LC50: Not available

LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal

requirements.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Non-Regulated.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Non-Regulated.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material presents possible health hazards as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2A, 2B

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

16. Other Information

AP (Non-Toxic): Products bearing the AP (Non-Toxic) Product Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).

MSDS covers items:

U.S.: E625

Canada: 61620

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR

THE

MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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