

1. Identification

Product Identifier: **Microballoons**
 Use: Mold Making and Casting
 Manufacturer: Alumilite
 315 E. North Street Kalamazoo, MI 49007 USA
 Phone Number: +1 800-447-9344 (9 a.m. to 5 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or
 +1 703-527-3887
 E-mail: info@alumilite.com

2. Hazards Identification

GHS Classification: Not hazardous per 29 CFR 1910.1200.

Label Elements: No GHS label required.

Supplemental Information: May cause eye, skin, and respiratory irritation.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Quartz	14808-60-7	< 0.1

Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if easy to do so. Get medical attention if irritation develops and persists.

Skin Contact: Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove person to fresh air. If experiencing difficulty breathing, call a doctor.

Ingestion: Do not induce vomiting. Get medical attention if feeling unwell.

Most Important Symptoms/Effects: May cause eye, skin, and respiratory irritation.

Indication of Immediate Medical Attention/Special Treatment: Not known.

5. Fire-Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical, foams, or water spray.

Specific Hazards: Not classified as flammable or combustible.

Special Protective Equipment and Precautions for Fire-Fighters: Wear SCBA & full-body protective suit. Cool hot containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid generating dust. Wear personal protective equipment.

Methods and Materials for Containment and Cleanup: Avoid dry sweeping. Use water spraying or vacuum cleaning systems to prevent airborne dust generation. Dispose of according to local, regional, and national regulatory requirements.

7. Handling and Storage

Safe Handling: Avoid generating dust. Use in a ventilated area. Wear suitable respiratory protective equipment in insufficient ventilation. Do not eat, drink, or smoke in work areas. Wash hands after use.

Safe Storage: Keep container closed when not in use. Store packaged product to prevent accidental bursting.

8. Exposure Controls/Personal Protection

Exposure Limits: For quartz (14808-60-7):

OSHA PEL: 0.10 mg/m³ (Respirable)

ACGIH: 0.025 mg/m³ TLV (Respirable)

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure limits below the occupational exposure limits.

Respiratory Protection: If ventilation is inadequate/poor, use a NIOSH-approved respirator suitable to meet permissible exposure limit.

Skin Protection: Wear chemical-resistant, impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles/glasses.

Other Protective Measures: Avoid generating dust.

9. Physical and Chemical Properties

Appearance: Solid, white

Odor: None

Odor Threshold: No data available

pH: 6.5-7.5, as 10% slurry in distilled water

Melting Point: No data available

Boiling Point: No data available

Flash Point: Not flammable

Evaporation Rate: No data available

Flammable Limits: Not data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 2.35 g/cm³

Solubility: Insoluble in water

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Toxic silicon tetrafluoride gas will result with contact with hydrofluoric acid.

Conditions to Avoid: No data available.

Incompatible Materials: Hydrofluoric acid.

Hazardous Decomposition Products: No data available.

11. Toxicological Information

Eye Contact: May cause mild irritation.

Skin Contact: May cause irritation.

Inhalation: May cause respiratory irritation.

Ingestion: No data available.

Chronic Health Effects: Long-term inhalation of respirable crystalline silica can cause silicosis.

Acute Toxicity Values: May cause eye, skin, and respiratory irritation.

Skin Sensitization: Possible irritant for skin sensitization.

Respiratory Sensitization: Upper respiratory irritant: May aggravate pre-existing respiratory conditions.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not classified as carcinogens by NTP, IARC or OSHA.

Reproductive Toxicity: Components are not known or suspected reproductive toxins.

Specific Target Organ Toxicity: Relevant components are not known or suspected toxins to specific target organs.

12. Ecological Information

Ecotoxicity: Not expected to be dangerous to aquatic organisms. Do not release into waterways.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, regional and national regulations. Leave chemicals in original containers.

For U.S.: Upon disposal, these products are not RCRA hazardous waste (per 40 CFR 261).

14. Transport Information

Not regulated for transport in any mode.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not applicable.

Section 313 Toxic Chemicals: Contains no chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: Intended for industrial or professional use only.

SDS Revision Notes: GHS Version, May 3, 2019

Disclaimer: The information contained herein is considered accurate; however, Alumilite makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.