

SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product: Microballoons
Version #: Version #1
Date: June 25, 2015
CAS #: Non-Applicable
Product Use: Mold Making and Casting
Manufacturer/Supplier:
Company Name: Alumilite
Company Address: 315 E. North St.
Kalamazoo, MI 49007

Emergency Telephone Number: Chemtrec 1-800-424-9300

Section 2 - Hazards Identification

2.1 GHS Classification

Health
Not Classified

Environmental
Not Classified

Physical
Not Classified

2.2 GHS Signal Word, Hazard Statement, Symbol

Pictograms by CLP/GHS: None

Pictograms by WHMIS (D2B):



Signal Word: None

Hazard Statements

Precautionary Statements

Repeated or prolonged contact may cause skin irritation. May irritate or injure eyes, mechanically. Upper respiratory irritant: May aggravate pre-existing respiratory conditions. Long-term inhalation of Microballoons can cause disabling lung disease (silicosis). Represent inhalation hazards that can readily be controlled with appropriate dust protection equipment. Avoid processes that generate unnecessary dust. LD₅₀ not established, presumed over 10,000 mg/kg.

Section 3 - Composition / Information on Ingredients

Description: Expanded Perlite Powder or Granules

Hazardous Components:

Chemical	CAS #	%	ACGIH TLV mg/cu.m	NIOSH mg/cu.m	OSHA PEL mg/cu.m
Quartz	14808-60-7	<0.1%	0.025 (Respirable)	0.05 (Respirable)	0.1 (Respirable)

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Section 4 – First Aid

Inhalation:	Remove to fresh air. Seek medical attention if victim is not breathing or uncomfortable.
Skin:	Wash off with soap and water.
Eye:	Flush thoroughly with running water for at least 5 minutes. Remove contact lenses if easy to do so. Continue rinsing.
Ingestion:	Do not induce vomiting. Seek medical attention if victim is not breathing or uncomfortable.

Section 5 – Fire Fighting Measures

Extinguishing Media:	Use extinguishing media appropriate for surrounding material that is on fire or could be set on fire.
Firefighting Instructions:	Use firefighting measures that suit the environment.

Section 6 – Accidental Release Measures

Small/Large Spill:	Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended. Wetting spilled material with water may control dust and make clean up easier.
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Section 7 – Handling and Storage

General:	Avoid creating unnecessary dust.
Storage:	Store with other dusty materials, away from products that could be affected by dust.

Section 8 – Exposure Controls & Personal Protection

Exposure Limits:

ACGIH TLV:	10 mg/m ³ total dust 3 mg/m ³ respirable dust
OSHA PEL:	15 mg/m ³ total dust 5 mg/m ³ respirable dust

Exposure Controls:	Good housekeeping rules apply. Local Exhaust for work stations using this material.
Personal Protection:	Plastic or Rubber Gloves if skin irritation occurs. NIOSH/OSHA approved dust respirator adequate for contaminant concentrations encountered. Eye protection recommended. Disposable footwear for frequent handling of this material. Coveralls for frequent handling of this material.

Section 9 – Physical & Chemical Properties

Color:	White to off White
Form:	Powder or granules
Odor:	None
Vapor Pressure:	N/A
Specific Gravity:	2.35
Vapor Density:	N/A
pH:	6.5-7.5, as 10% slurry in distilled water
Melting Point/Freezing Point:	N/A
Solubility in Water:	Negligible
Boiling Point:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gaseous):	Not Flammable
Auto-ignition Temperature:	N/A

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Section 10 – Stability & Reactivity

Stability: Stable
Incompatibility: Hydrofluoric Acid (HF)
Hazardous Decomposition: Toxic silicon tetrafluoride gas will result with contact with hydrofluoric acid.

Section 11 – Toxicological Information

Effects of Acute Exposure: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), or in case of inhalation (irritant).

Effects of Chronic Exposure:
Irritancy of Product: Potential irritant for Skin Sensitization,
Respiratory Sensitization: Upper Respiratory Irritant: May aggravate pre-existing respiratory conditions. Long-term inhalation of respirable crystalline silica can cause disabling lung disease (silicosis).

Carcinogenicity: These products contain less than 0.1% crystalline silica, and low percentages of particles of respirable size, hence present very low risk.

IARC: Not reviewed

ACGIH: PNOS (Particulates Not Otherwise Specified), Not carcinogenic

Reproductive Toxicity: Not available

Teratogenicity: Not established

Embryotoxicity: Not available

Mutagenicity: Ames: Not available

Section 12 – Ecological Information

Low hazard for usual industrial or commercial handling. Approved for use in soils.

Section 13 – Disposal Information (Non Mandatory)

Waste Disposal: Dispose of this product in accordance with all applicable local, state and Federal regulations.

Section 14 – Transportation Information (Non Mandatory)

Not regulated by the Department of Transportation

Section 15 – Regulatory Information (Non Mandatory)

WHMIS Classification: D2B (Toxic)

OSHA: Label as required by Hazard Communication Standard 29 CFR 1910.1200 (f) and applicable state and local laws and regulations

TSCA: Included as a naturally occurring material

CANADA DSL: Included or exempt

EUROPE: Exempt from REACH as a naturally occurring mineral, not chemically modified. Status confirmed in Annex V Guidance Document Version 1.1, November 2012

Section 16 – Other Information

No data available



SAFETY DATA SHEET

To the best of our knowledge, the information contained herein is accurate. However, Alumilite does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Alumilite hereunder are given gratis and Alumilite assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your risk.

Date: June, 2015

Document Number:

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