

ALUMILITE

Material Safety Data Sheets

Alumilite Corporation
315 E. North St.
Kalamazoo, MI 49007
269 488-4000

Emergency Telephone: Chemtrec 1-800-424-9300

Section 1 – Product Information

Microballoons

Common Chemical Name: Inorganic hollow microspherical powder

Synonyms: Microballoons

Chemical Family: N/A

Molecular Weight: Not Established

Section 2 - Ingredients

Chemical:	CAS	Amount	OSHA PEL	ACGIH TLV
Organosilane modified perlite	93763-70-3	100%	15 mg/m ³ Total dust, 5 mg/m ³ respirable fraction	10 mg/m ³

Section 3- Hazardous Identification

Color: White
Form/Appearance: Powder
Odor: None

Nature of Hazard

Emergency Overview: Causes eye irritation. May cause dehydration and irritation to skin. Dust causes irritation to respiratory tract. Noncombustible.

Eye Contact: Causes irritation.

Skin Contact: May cause dehydration or irritation.

Inhalation: Dust irritating to respiratory tract.

Ingestion: No known adverse effects.

Chronic Hazards: No known chronic hazards. Not listed by OSHA, NTP, or IARC as a carcinogen.

Physical hazards: Spills are slippery.

Section 4 – First Aid

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Inhalation: Remove to fresh air. Get medical attention if breathing is difficult.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Extinguishing Media: This material is compatible with all extinguishing media.

Fire Fighting Instructions: See Section 3 for information on hazards when this material is present in the area of a fire.

Fire Fighting Equipment: The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.

Flash Point: Noncombustible

Section 6 – Accidental Release Measures

Personal Protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. NIOSH-approved dust respirator where dust occurs. See section 8.

Environmental Hazards: Sinks and mixes with water. High pH of this material is harmful to aquatic life, see section 12.

Small Spill Cleanup: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.

Large Spill Cleanup: Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8. Comply with applicable environmental regulations.

CERCLA RQ: There is no CERCLA Reportable Quantity for this material. If a spill goes off site, notification of state and local authorities is recommended.

Section 7 – Handling and Storage

General: Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Keep container closed. Promptly clean up spills.

Storage: Keep containers closed. Store in clean steel, fiber, paper, or plastic containers.

Section 8 – Exposure Controls & Personal Protection

Engineering Controls: Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Respiratory Protection: Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA regulations for respirator use.

Skin Protection: Wear body-covering protective clothing and gloves.

Eye Protection: Wear chemical goggles.

Section 9 – Physical & Chemical Properties

Color: White
Form: Powder
Odor: None
Specific Gravity: N/A
Boiling Pt: N/A
Freezing Pt: N/A
Solubility: Insoluble
Bulk Density: Approximately 0.10 – 0.13 g/cc.

Section 10 – Stability & Reactivity

Stability: Stable
Conditions to Avoid: None
Incompatibility: Hydrofluoric acid
Hazardous Decomposition: Carbon dioxide and carbon monoxide at high temperatures.

Section 11 – Toxicological Information

Acute Data: This material has not been tested for primary eye irritation potential. Similar materials produce eye irritation thought to result from mechanical abrasion. This material has not been tested for primary skin irritation potential. The acute oral LD₅₀ in mice for perlite is reported as 12,960 mg/kg.

Subchronic Data: There is no reported subchronic studies of the material.

Special Studies: There are no published reports of adverse physiologic effects from chronic exposure to perlite dust. OSHA has concluded that perlite is nontoxic when airborne total particulate concentrations are maintained at levels of 15 mg/m³ or below and when its quartz content is limited to a level below 1 percent crystalline silica. Perlite is not listed by IARC, NTP, or OSHA as a carcinogen.

Section 12 – Ecological Information

Eco Toxicity: N/A
Environmental Fate: This material is processed natural silicate. It does not contribute to BOD. This material does not bioaccumulate.
Physical/Chemical: Floats in water. No air pollutants will evaporate from this material.

Section 13 – Disposal Information

Classification: Disposed material is not a hazardous waste.
Disposal Method: Dispose in accordance with federal, state and local regulations and permits.

Section 14 - Transportation Information

Not regulated by the Department of Transportation

Section 15 - Regulatory Information

CERCLA: No CERCLA Reportable Quantity has been established for this material.
SARA TITLE III: Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313. Hazard Categories under §§311/312: Acute.
TSCA: This material and all its ingredients comply with the requirements of the Toxic Substances Control Act.

Section 16 - Other Information

No applicable data for this section.

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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.

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