



Opti-Coat™ Material Safety Data Sheet

MSDS No. 96019

Revised 10/29/97

Page 1 of 2

I. Product Identification

Trade Name(s): Opti-Coat

Generic Name: Perlite, Volcanic glass

Chemical Name: Amorphous siliceous mineral-silicate

Formula: Sodium-potassium-aluminum – silicate of variable composition.

Manufactured for Menardi

Information Telephone: (803) 663-6551

Address: One Maxwell Drive

(800) 321-3218.

City: Trenton State: SC Zip: 2947

Emergency Telephone: (803) 663-1992

II. Product Ingredients

Ingredient Name:	CAS Number	%	Permissible Exposure Limit:
Perlite, Expanded milled	93763-70-3*	100	5mg/m ³ TWA Respirable Dust
May contain Crystalline Silica Quartz - < 1.0%	14808-60-7		Re: OSHA PEL

III. Physical Data

Appearance and Odor: White to off white powder; odorless

Boiling Point:	N/A	Evaporation Rate (=1):	N/A
Vapor Pressure:	N/A	Specific Gravity (water = 1):	2.35
Water Solubility (%):	Slight	Melting Point:	N/A
Water Density: (Air=1)	N/A	% Volatile by Volume:	N/A

IV. Fire and Explosion Data

Flash Point (Method):	Nonflammable	NFPA Flammable/Combustible Liquid Classification	N/A
Flammable Limits:	N/A	Auto-Ignition Temperature:	N/A
Extinguishing Media:	N/A	Special Fire-Fighting Procedures:	None
Unusual Fire or Explosion Hazards:	None		

V. Health Hazards A. Summary of Risks

Summary: This product may contain crystalline silica (less than 1.0%, see Section II.). Crystalline silica has been declared as carcinogenic to humans (Group 1) by IARC, a unit of the World Health Organization. OSHA considers perlite a nuisance dust and recommends a PEL of 5mg/m³ TWA respirable dust. Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism and make lungs more vulnerable to respiratory disease.

Medical conditions that may be aggravated: Pre-existing upper respiratory and lung disease, (such as bronchitis, emphysema, asthma, or others).

Target Organ(s): Lungs Primary entry route(s): Inhalation

Acute Health Effect: Transitory upper respiratory irritant.

Chronic Health Effects: See Summary. Follow the safe handling practices shown on the product bag label.



Opti-Coat™ Material Safety Data Sheet

MSDS No. 96019

Revised 10/29/97

Page 2 of 2

V. Health Hazards

B. Signs/Symptoms of Overexposure

Inhalation: Coughing, irritation of nose and throat; congestion may occur upon overexposure
Skin Contact: May cause skin irritation or itching Ingestion: Not hazardous. Generally regarded as safe by the FDA.

Skin Absorption: N/A Eyes: Temporary irritation and/or inflammation.

V. Health Hazards

C. First Aid/Emergency Procedures

Inhalation: Remove from dusty area; drink water to clear throat; blow nose to evacuate dust.
Skin Contact: N/A Eyes: Do not rub eyes. Flush eyes with copious amounts of water to remove dust particles. Consult a physician if irritation persists.
Skin Absorption: N/A
Ingestion: N/A

VI. Reactivity Data

Stability: Material is stable. Hazardous polymerization will not occur.
Chemical Incompatibilities: Hydrofluoric acid
Conditions to avoid: None in designed use. Avoid contact with hydrofluoric acid.
Hazardous Decomposition Products: Reacts with hydrofluoric acid to form toxic silicon tetrafluoride gas.

VII. Spill or Leak Procedures

Procedures for Spill/Leak: Vacuum clean or wet sweep; avoid dusting; use a dust suppressant when sweeping.
Waste Management: Not considered as hazardous wastes by RCRA (40CFR Part 261). Place waste and spillage in closed containers. Disposed in approved landfill. RQ-N/A

VIII. Special Protection Information

Goggles: Normally not required. May use safety eyewear to protect from dust.
Gloves: Normally not required. May use gloves to protect overly sensitive skin.
Respirator: Even though perlite is a nuisance dust, we recommend the use of NIOSH approved respirators to protect against silicosis producing dusts.
Ventilation: Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL.
Special Considerations for Repair/Maintenance of Contaminated Equipment: Insure proper respiratory protection.

IX. Special Precautions

Storage Segregation Hazard Classes: N/A
Special Handling/Storage: Store in dry place. Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practice.
Special Workplace Engineering Controls: Adequate ventilation and appropriate local exhaust where needed to dust levels below PEL.
Other: Comply with all Federal, State and local regulations

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State law(s). However, no warranty or representation with respect to such information is intended or given.