



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name: Envirocoat™ **Chemical Name:** Amorphous siliceous mineral-silicate **Formula:** Sodium-potassium-aluminum-silicate of variable composition

II. PRODUCT INGREDIENTS

Ingredient Name: Perlite, Expanded milled may contain Crystalline Silica Quartz less than 1.0% %: 100
Permissible Exposure: 5mg/m³ TWA Respirable dust re: OSHA PEL

III. PHYSICAL DATA

Appearance and Odor: White/off white powder; odorless **Boiling Point:** N/A **Evaporation Rate:** N/A **Vapor Pressure:** N/A
Specific Gravity (water=1): 2.35 **Water Solubility (%):** Slight **Melting Point:** N/A **Vapor Density: (Aim1):** N/A; %
% Volatile by Volume: N/A

IV. FIRE AND EXPLOSION DATA

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

V. HEALTH HAZARDS A. Summary/Risks

Summary: OSHA considers Perlite a nuisance dust and recommends a PEL of 5 mg/m³ TWA respirable dust. Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism and make the lungs more vulnerable to respiratory disease.

Medical Conditions Which 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.

V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: Coughing, irritation of nose and throat; congestion may occur upon overexposure **Skin Absorption:** N/A
Skin Contact: N/A **Ingestion:** Not hazardous. Generally regarded as safe by the FDA. **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
Skin Absorption: N/A **Ingestion:** Not hazardous, generally recognized as safe by the FDA **Eyes:** Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Consult a physician if irritation persists.

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 tetra fluoride 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 waste by RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose in approved landfill. RQ-N/A

VIII. SPECIAL PROTECTION INFORMATION

Goggles: Normally not required. You may use safety eyewear to protect from dusts. **Gloves:** Normally not required. You 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

*****ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS*****

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 keep 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.

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Effective: March 9, 2012
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