

SPROULE MANUFACTURING COMPANY, INC.

Sproule High Temperature Pre-Molded Fitting Covers

Material Safety Data Sheet

Complies with 29 C.F.R. 1910.1200

Section I. Identity of Product

Manufacturer: Sproule Manufacturing Co., Inc.

P.O. Box 15, 3239 Phoenixville Pike

Devault, PA 19432

Phone: (610) 647-5687

Trade Name: Sproule High Temperature Pre-Molded Fitting Covers

Generic Name: Industrial Thermal Insulation

Chemical Identity: A mixture of expanded perlite, a processed silicate mineral consisting predominantly of amorphous silica, and sodium silicate, CAS Reg. No. 1344-09-8.

Physical Appearance: Odorless, gold, formed composites, shaped to conform to fittings on high temperature industrial piping systems.

Section II. Hazardous Ingredients

Component: Amorphous silica (perlite)

Percent: Approximately 75%

OSHA PEL: 20 mppcf respirable dust

ACGIH TLV®: 10 mg/cubic meter total dust

Component: Sodium silicate

Percent: Approximately 25%

OSHA PEL: Not established

ACGIH TLV®: Not established

Section III. Physical and Chemical Data

Solubility in Water: Slight.

Melting Point: Greater than 1200F.

Boiling Point: Data not available

Vapor Pressure: Data not available

Vapor Density: Data not available

Evaporation Rate: Data not available

Specific Gravity: Less than 1

Section IV. Fire/Explosion Hazard Data

Flash Point: Noncombustible

Flammability Limits: Not applicable

LEL: Not applicable

UEL: Not applicable

Extinguishing media: Compatible with all media

Unusual Fire or Explosion Hazards: None Known

Specific Fire Fighting Procedures: Not applicable

Section V. Reactivity Data

Stability: Stable

Conditions to avoid: Not applicable

Incompatibility: Strong inorganic alkalis, hydrofluoric acid

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section VI. Health Hazard Data

Source of hazard: The sole hazard of this material arises from dust which may be generated on cutting or abrading.

Inhalation: Dust causes irritation to lungs and respiratory tract.

Eye Contact: Dust may cause eye irritation.

Skin Contact: May cause skin irritation.

Ingestion: No hazards known or suspected.

Chronic Hazards: No hazards known or suspected.

Not listed by OSHA, NTP, or IARC as a carcinogen.

Signs and Symptoms of Exposure: Sneezing and dryness of mucous membranes (inhalation); Redness or tearing (eye exposure).

Medical Conditions Aggravated by Exposure:

Asthma or lung diseases.

First Aid Procedure: In case of inhalation, remove to fresh air. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Section VII. Precautions for Handling

Engineering Control: Use with adequate ventilation

Respiratory Protection: Use NIOSH-approved dust mask or respirator where dust occurs.

Eye Protection: Use safety goggles when handling.

Gloves: Use cotton work gloves when handling.

Personal Hygiene: Avoid breathing dust. Wash thoroughly after handling.

Section VIII. Environmental Hazard Data

Waste Disposal: Landfill according to local, state, and federal regulations.

Regulatory Status: Not a RCRA hazardous waste. Not a SARA Title III listed hazardous chemical.

Prepared by: Charles G. Sproule, III 7/1/95