

Material Safety Data Sheets U.S. Department of Labor

May be used to comply with Occupational Safety and Health Administration

OSHA's Hazard Communication Standard. (Non-Mandatory Form)

29 CFR 1920.1200. Standard must be Form Approved

consulted for specific requirements OMB No. 1218-0072

Identity (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or information is not available, the space must be marked to indicate that.

BIOLOC

CAS No. 1332-09-8 , CAS# 1305-78-8

Section I

Manufacturer's Name: Emergency Telephone Number:

Moleculoc, LLC 24 hr Assistance - CHEMTREC 800-424-9300

Address (Number, Street, City, State, and ZIP Code): Telephone Number for Information: **800-748-2048**

248 State St

Date Prepared: **March 2010**

Groveton, NH 03582

Section II – Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity: Common Names)

OSHA PEL ACGIH TLV

Pumice 80 mg/m³ 10 mg/m³

Calcium Oxide (Lime) C1450

%SiO₂ 3 mg/m³ (respirable)

Quartz, CAS No. 14808-60-7 10 mg/m³ 0.05 mg/m³, respirable dust

%SiO₂ + 2

Other principal, inert components: **Complex silicates or oxides of Al, K, Na, Fe, Ca, Mg, Ti.**

Chemical Identity, major components: **Amorphous Silicon Dioxide (SiO₂), M_x**

O_y • SiO₂ (M=Al, Ca, Mg + other minor metal oxides, with bound silica (SiO₂))

Common Names: **Pumice, volcanic glass**

HMIS (Hazardous Materials Identification System Ratings – NPCA/CPCA)

Based on hazard rating of 4 = Most severe

Health 0

Flammability 0

Reactivity 0

Personal Protection (suggested) Use approved dust mask; goggles to prevent eye irritation

Section III – Physical/Chemical Characteristics (N/A = Not Applicable)

Boiling Point: **N/A** Specific Gravity: **2.4**

Vapor Pressure (mm Hg): **N/A** Melting Point: **N/A**

Vapor Density: Evaporation Rate:

(Air = 1) **N/A** (Butyl Acetate = 1) **N/A**

Solubility in Water: **Negligible**

Appearance and Odor: **Off-white powder. No odor.**

Section IV – Fire and Explosion Hazard Data

Flash Point: **N/A** Flammable Limits: **N/A** LEL: **N/A** UEL: **N/A**

Extinguishing Media: **N/A**

Special Fire Fighting Procedures: **N/A**

Unusual Fire and Explosion Hazards: **None**

Section V – Reactivity Data Navajo Brand

Stability Unstable Conditions to Avoid

Stable X No special precautions

Incompatibility (Materials to Avoid): **No incompatibility. (Reacts with hydrofluoric acid; soluble in HF)**

Hazardous Decomposition of Byproducts: **None**

Hazardous Polymerization **May Occur** Conditions to Avoid

Will Not Occur X

No other hazards in the regard

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? **Yes** Skin? **No** Ingestion? **Non-hazardous**

Health Hazards (Acute and Chronic): **Irritation of the upper respiratory tract and lungs may result from accidental or chronic occupational exposure to the dust of this product. Dust may also cause lung damage when inhaled.**

CARCINOGENICITY: NTP? **NO**, Moleculoc is greater than 5 Microns, crystalline silica IARC Monographs? **Vol. 68 (1997)**, OSHA Regulated? **No** (quartz) in respirable form **In Group 1. (respirable crystalline (under 3 microns) is classified as a carcinogen. silica inhaled in the form of quartz from occupational sources is carcinogenic to humans.)**

Signs and Symptoms of Exposure: **Exposure may result in coughing, wheezing, shortness of breath, tightness in chest, irritation of the upper respiratory tract, and damage to lung tissue.**

Medical Conditions Generally Aggravated by Exposure: **Pre-existing asthma, bronchitis, emphysema and other lung and respiratory ailments may be aggravated by exposure to dust.**

Emergency and First Aid Procedures: **Material is non-poisonous. Eyes – Flush with copious amounts of cool, fresh water for 15 minutes. Inhalation – Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air. If symptoms persist, see a physician promptly.**

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: **Mist lightly with water, sweep up and transfer to a closed container, or vacuum with equipment fitted with an effective filter. Transfer any broken bags to new bags without emptying original bags.**

Waste Disposal Method: **Bury as non-toxic waste in an approved landfill.**

Precautions to be Taken in Handling and Storing: **Use techniques that minimize generating dust.**

Other Precautions: **Material, when wet, may be slippery on a smooth flooring. Use caution.**

Respiratory Protection: We suggest use a **OSHA, MSHA or NIOSH approved dust mask.**

Section VIII – Control Measures

Respiratory Protection: recommend **Use an approved dust mask, such as a particulate filter respirator.**

Ventilations Local Exhaust: **Recommended** Special, Other:

Mechanical (General):

Vacuum all spills

Use filter-equipped vacuum to remove dust;

do not blow off with compressed air.

Protective Gloves: **Not Required** Eye Protection: **Goggles recommended but not required.**

Other Protective Clothing or Equipment: **Not required.**

Work/Hygienic Practices: **Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off.**