

MATERIAL SAFETY DATA SHEET

Date: January 1, 2010

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: Empire Blended Products, Inc.
MANUFACTURER'S ADDRESS: 250 Hickory Lane
Bayville, New Jersey 08721
EMERGENCY PHONE NUMBER: (732) 269-4949

PRODUCT NAME: PUMICE STONE #57, FF, FFF, FFFF
TRADE NAME AND SYNONYMS: Rainbow Pumice Stone
CHEMICAL NAME: Crystalline Silica
CHEMICAL FAMILY: Silicon Dioxide
FORMULA: SiO₂

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silica, Crystalline Quartz	14808-60-7	100%	10mg/m ³ Respirable % Silica + 2	0.1mg/m ³ Respirable
			30mg/m ³ Respirable % Silica + 2	Total

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 4046°F
MELTING POINT: 3050°F
VAPOR PRESSURE: None
VAPOR DENSITY: None
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 2.65
PERCENT VOLATILE BY VOLUME: None
EVAPORATION RATE: None
APPEARANCE AND ODOR: White granular material, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non-flammable
FLAMMABLE LIMITS: None **LEL:** None **UEL:** None
EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY: **UNSTABLE:** **STABLE:** X
CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride may cause fires.

HAZARDOUS DECOMPOSITION PRODUCTS: Silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride, a corrosive gas.

HAZARDOUS POLYMERIZATION: **MAY OCCUR:** **WILL NOT OCCUR:** X
CONDITIONS TO AVOID: None

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: **INHALATION:** Yes **INGESTION:** No
SKIN ABSORPTION: No **NON HAZARDOUS:**

CARCINOGENICITY: **NTP:** No **OSHA:** No
IARC MONOGRAPH: Yes **NOT LISTED:**

HEALTH HAZARDS: ACUTE: Acute or rapidly developing lung injury (silicosis) may occur in a short period of time in heavy exposure such as in sandblasting.

CHRONIC: Prolonged exposure to respirable crystalline quartz may cause delayed lung injury (silicosis). Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.

SIGNS AND SYMPTOMS OF EXPOSURE: Breathlessness, wheezing, cough and sputum production.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Wash immediately with water. If irritation persists, seek medical attention.

SKIN CONTACT:

INHALATION: For gross inhalation, remove person immediately to fresh air, give artificial respiration if needed. Seek medical attention.

INGESTION:

SECTION VII - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): NIOSH approved respirator

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Safety glasses recommended

VENTILATION TO BE USED:

LOCAL EXHAUST: Use sufficient local exhaust

MECHANICAL:

SPECIAL:

OTHER:

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Optional

HYGIENIC WORK PRACTICES: Avoid creating and breathing dust. Do not permit dust to collect. Wash or vacuum clothing which has become dusty.

SECTION VIII - PRECAUTION FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Vacuum and place into closable container for disposal, or flush with warm water. Do not dry sweep.

WASTE DISPOSAL METHOD: Dispose in accordance with Federal, State, and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use dustless systems for handling, storage and clean up to limit airborne dust. Do not dry sweep. Maintain adequate ventilation.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: