



Hilltop/Slate

MSDS

PRODUCT NAME(S): VERMONT ROOFING SLATE

MANUFACTURER(S): **Hilltop Slate Inc.**

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SECTION I: PRODUCT IDENTIFICATION - ROOFING SLATE

SECTION II: HAZARDOUS INGREDIENTS AND INFORMATION

<u>COMPOUNDS</u>	<u>ACCUITLY</u>	<u>OSHA/P.E.L.</u>
QUARTZ SILICA	0.10MG/M3	0.1MG/M3

SECTION III: PHYSICAL DATA

BOILING POINT: 4016 F
VAPOR DENSITY (AIR-1): N/A
VAPOR PRESSURE (MM HG): N/A
SOLUBILITY IN WATER: 0
SPECIFIC GRAVITY: 2.65
MELTING POINT: 3110 F
EVAPORATION RATE: 0
APPEARANCE: ODORLESS, TRANSPARENT CRYSTALS

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: NONFLAMMABLE
FLAMMABLE LIMITS: LEL: (N/A)
UEL: (N/A)

EXTINGUISHING MEDIA: WATER
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS

SECTION V: REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: HYDROFLUORIC ACID - HYDROFLUORIC ACID DISSOLVES
SILICA TO PRODUCE THE CORROSIVE GAS SILICON
TETRAFLUORIDE,
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI : HEALTH HAZARD DATA - EFFECTS OF OVEREXPOSURE

INHALATION: EXPOSURE TO VERY HIGH LEVELS OF SILICA CAN CAUSE "ACUTE SILICOSIS" WITH SYMPTOMS OF COUGHING, SHORTNESS OF BREATH, AND CHANGES IN CHEST X-RAY. THIS CONDITION IS OFTEN FATAL. EXPOSURE TO SILICA OVER A LONG PERIOD OF TIME CAN CAUSE SILICOSIS. SIMPLE SILICOSIS MAY ONLY CAUSE CHANGES ON CHEST X-RAY. IF THE DISEASE PROGRESSES, COUGH, SHORTNESS OF BREATH, AND DEATH MAY OCCUR.

DERMAL EXPOSURE: NOT ABSORBED THROUGH THE SKIN, MAY CAUSE ABRASIONS.

EYE IRRITATION: BURNING, ITCHING, REDNESS.

EMERGENCY AND FIRST-AID PROCEDURES - NO SPECIFIC FIRST AID PROCEDURES ARE NECESSARY FOR ACCIDENTAL EXPOSURE TO THIS PRODUCT.

SECTION VII : PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NORMAL CLEAN-UP PROCEDURES. CARE SHOULD BE TAKEN TO AVOID CAUSING DUST TO BECOME AIRBORNE. VACUUM CLEANING SYSTEMS ARE RECOMMENDED. DO NOT FLUSH TO SEWER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: IMPERVIOUS GLOVES, SAFETY GOGGLES, AND PROPER VENTILATION.

SECTION IX : SPECIAL PROTECTION INFORMATION

GOOD INDUSTRIAL HYGIENE PRACTICE REQUIRES THAT EMPLOYEE EXPOSURE BE MAINTAINED BELOW THE RECOMMENDED TLV. THIS IS PREFERABLY ACHIEVED THROUGH THE PROVISION OF ADEQUATE VENTILATION WHERE NECESSARY. WHERE DUST CANNOT BE CONTROLLED IN THIS WAY, PERSONAL RESPIRATOR PROTECTION SHOULD BE EMPLOYED.