

1 - Product Identification

Product Identifier: Bob's Secret Organic Soil Mineralizer /Natural Mineral

Uses: Soil Mineralizer / Soil Conditioner

Supplier: Earth Essential Minerals LLC

Address: PO Box 17161, Missoula MT 59808

Phone: +1 406-284-7099

2 - Hazard Identification

Classification: Category 1A

Pictogram:

Hazard Statement: May cause lung cancer with repeated exposure: H350, H372

Precautionary Statements: Avoid breathing dust (P261); wear respiratory protection (P284); obtain instructions before use (P201); read and understand precautions (284).

Other Hazards: May cause eye and/or skin irritation.

Environmental Hazards: Not harmful to the environment.



4 - First Aid Measures

Inhalation: Move to fresh air. Seek medical advice if symptoms persist

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for 15 minutes.

5 - Fire Fighting Measures

Extinguishing Media: Not flammable; use extinguishing media compatible with surrounding fire

Special Hazards: N/A.

Hazchem Code: None allocated.

7 - Handling and Storage

Handling: Avoid breathing dust during handling; avoid contact with eyes. Wash hands after use.

Storage: Store in cool, dry place. Keep container tightly closed.

Good Housekeeping: Use good housekeeping procedures to prevent the accumulation of dust in the workplace.

9 - Physical and Chemical Properties

Appearance: Solid, off-white color

Odor: N/A

pH: 7.95

Flammability: N/A: not flammable

Flash Point: N/A: non-combustible

11- Toxicological Information

Inhalation: Category 1A. Dust may irritate nose, throat, mucous membranes and respiratory tract by mechanical abrasion. Respirable crystalline silica as a known human carcinogen.

Eye Irritation: Direct contact with dust may cause irritation by mechanical abrasion or corrosive action and may result in conjunctivitis.

Skin Irritation: With prolonged exposure. Skin absorption is not expected to be a significant route of exposure.

13 - Disposal Considerations

Disposal: Dispose of in accordance with local regulations.

Special Precautions: No special precautions necessary. Dispose of in accordance with local, state, and federal regulations.

15 - Regulatory Information

Labeling: Complies with labeling requirements.

Classified: According to applicable regional regulations.

SAFETY DATA SHEET



Bob's Secret Organic Soil Mineralizer

3 - Composition / Information on Ingredients

Ingredient	CAS Number	% by Wt.
Silicon Dioxide, SiO ₂ ⁽¹⁾	7631-86-9	68-78 %
Aluminum Oxide, Al ₂ O ₃	1344-28-1	10-12 %
Potassium Oxide, K ₂ O	12136-457	6-10 %
Sodium Oxide, Na ₂ O	12136-457	1-3 %
Ferric Oxide, Fe ₂ O ₃	1309-37-1	1-3 %
Calcium Oxide, CaO	1305-78-8	1-3 %
Magnesium Oxide, MgO	1309-48-4	<1 %
Manganese Oxide, MnO	1313-13-9	<1 %

(1): The composition of SiO₂ may be up to 100% crystalline silica

6 - Accidental Release Measures

Personal Precautions: Use personal protective equipment: dust mask, goggles, gloves.

Clean-Up: Place the dust in a covered container appropriate for disposal.

Personal protective equipment: Avoid breathing dust; avoid contact with skin and eyes.

8 - Exposure Controls and Personal Protection

Control Limits: SiO₂ respirable fraction: MSHA/OSHA PEL 0.05 mg/m³; ACGIH TLV-TWA 0.025 mg/m³; NIOSH REL 0.05 mg/m³.

PPE: Dust mask, gloves, goggles recommended.

Avoid inhaling dust: Wear an N95 dust mask. Air purifying equipment required for workplace setting (ANSI standard Z88.2).

10 - Stability and Reactivity

Stability: Stable; not reactive. Mineral is an inert solid.

Incompatible Materials: Powerful oxidizing agents

Conditions to Avoid: Extreme heat or (more than 870°C (1598°F)) may alter structure.

Hazardous Decomposition Products: Silica dissolves in hydrofluoric acid producing a corrosive gas - silicon tetrafluoride.

Reactivity: Non-reactive under normal conditions

12 - Ecological Information

Ecotoxicity: None known.

Persistence: Not biodegradable; structurally stable

Harmful to aquatic life: Not harmful to aquatic life.

14 - Transport Information

UN Number: Not regulated.

Transport Hazard Class: Non-hazardous.

16 - Other Information

Preparation Date: 18 January 2026

Disclaimer: Information provided is based on current knowledge.

Bob's Secret is an all-natural mineral that enhances soil health and crop productivity. This organic soil mineralizer enriches the earth, promotes healthy plant growth, and supports sustainable farming practices. The product is environmentally non-toxic, non-flammable, and free of harsh chemicals. It is essential to adhere to the guidelines provided in this Safety Data Sheet to guarantee safe handling, storage, and disposal.