



## Safety Data Sheet

### Sea Clay (V000609)

January 27, 2021

#### Section 1: Chemical Product and Company Identification

<b>Product name:</b>	Sea Clay
<b>Contact Info:</b>	Bramble Berry Inc. 2138 Humboldt Street Bellingham, WA 98225 info@brambleberry.com www.brambleberry.com 1-877-627-7883
<b>Emergency Phone Number:</b>	Within USA & Canada: 1.800.424.9300 CCN693143 Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

#### Section 2: Hazards Identification

Contains Crystalline Silica - <1% Respirable

##### Classification of the substance or mixture

Eye Damage/Irritation:	Category 2
Skin Corrosion/Irritation:	Category 2
Specific Target Organ Toxicity – Single Exposure:	Category 3 – Respiratory
Specific Target Organ Toxicity – Repeated Exposure:	Category 1 – Respiratory
Carcinogenicity:	Category 1a

##### Label elements

GHS label elements:	Not applicable
Hazard pictogram(s):	Not applicable
Signal word(s):	Warning
Hazard statement(s):	H373: May cause damage to lung through prolonged or repeated inhalation.
Precautionary statement(s):	P260 Do not breathe dust P285 In case of inadequate ventilation wear respiratory protection. P501 Dispose of contents/containers in accordance with local regulation.
Other hazards:	Not known

#### Section 3: Composition/Information on Ingredients



Chemical family:

Common Name	CAS #	EINECS #	Weight % (Approx.)
Chlorite (Naturally Occurring)	1332-58-7	10-194-1	60% - 100%
Biotite (Naturally occurring)	1302-27-8	215-479-3	1% - 5%
Hornblende (Naturally Occurring)	12178-42-6	Not Available	1% - 5%
Quartz – Crystalline Silica	14808-60-7	238-878-4	0.1% - 2%
Water	7732018-5	215-185-5	1% - 20%

## Section 4: First Aid Measures

### Description of first aid measures

**Inhalation:** If adverse effects occur, get immediate medical attention. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Wash immediately with soap and water. Get medical attention if irritation develops or persists.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** DO NOT induce vomiting. If swallowed, drink plenty of water, do NOT induce vomiting.

Never make an unconscious person vomit or drink fluids. Get medical attention.

**Symptoms – Immediate:** Eye irritation, skin irritation, respiratory tract irritation.

**Symptoms – Delayed:** Gastrointestinal effects.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable extinguishing media:** Product is non-flammable. Use extinguishing agents appropriate for surrounding fire.

**Unsuitable extinguishing media:** None Known.

### Special hazards arising from the substance or mixture

**Thermal hazards:** No hazard expected from normal use of this product.

**Advice for firefighters:** No hazard expected.

NFPA 704M Hazard Classifications:

Health: 1

Flammable: 0

Reactivity: 0

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures



**Personal precautions:** Keep unnecessary people away, isolate hazard area and deny entry. Wet material is slippery under foot.

**Personal protection equipment:** Wear personal protective clothing and equipment, see Section 8.

**In case of emergency:** A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**Environmental precautions:** Avoid release to the environment.

**Methods and material for Containment and cleaning up:** Collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable.

**Reference to other sections:** See sections 8 and 13.

## Section 7: Handling and Storage

**Precautions for safe handling:** Avoid dust generation and accumulations. Do not use in poorly ventilated or confined spaces.

Do not taste or swallow.

Avoid inhalation or contact. Wash thoroughly after handling.

**Conditions for safe storage including any incompatibilities:** Store in a cool, dry place. Store in a well-ventilated area.

**Specific end use(s):** Not known.

## Section 8: Exposure Controls/Personal Protection

**Control parameters:** Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

**Exposure limit values:** Not known

### Exposure controls

**Appropriate engineering controls:** Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation.

**Individual protections measures, such as personal protective equipment(PPE) Hand/eye/face protection:** Wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth.

**Skin protection:** Apron or other light protective clothing, boots and plastic or synthetic rubber gloves.

**Respiratory protection:** Dust mask covering nose and mouth.

**Thermal hazards:** None.

**Environmental exposure controls:** Avoid dust generation. Avoid accumulation of dust.

## Section 9: Physical and Chemical Properties

**Form:** Powder to lump

**Color:** White to Gray



**Odor:** Earthy Odor

**pH:** 4.0 – 6.0 (aqueous solution)

**Boiling Point, °C:** Not applicable

**Melting Point, °C:** >1200

**Freezing point, °C:** Not applicable

## Section 10: Stability and Reactivity

**Reactivity:** No reactive hazard is expected.

**Chemical stability:** Stable at normal temperatures and pressures.

**Possibility of hazardous reactions:** Will not oxidize or polymerize.

**Conditions to avoid:** None known.

**Incompatible materials:** None known.

**Decomposition products:** When exposed to high temperatures, free quartz can change crystal structure to form tridymite  
(above 870o

C) or cristobalite (above 1470°C), which have greater health hazards than quartz.  
(Tridymite and cristobalite (TWA-TLV) = 0.25 mg/m<sup>3</sup>.)

## Section 11: Toxicological Information

### Information on toxicological effects

**Primary Route of Exposure:** Skin, Eye Contact, Inhalation and Ingestion

#### Acute Health Hazards:

Eye contact may cause mechanical irritation.

Skin contact may aggravate existing dermatitis.

Inhalation from prolonged and continuous exposure to excessive quantities of dust may aggravate existing asthmatic or respiratory conditions.

#### Acute and Chronic Toxicity

May cause eye irritation, skin irritation, respiratory tract irritation, and gastrointestinal tract irritation. May cause damage to respiratory tract through prolonged or repeated exposure.

Occupationally inhaling clay can product pulmonary fibrosis with sites of action being the lung, the lymph nodes and the hilus. Clay when taken orally over a long period of time can cause granulomas of the stomach.

Exposure to quartz (the most common form of crystalline silica) is responsible for the majority of clinically diagnosed silicosis. Silicosis is fibronodular lung disease that occurs after occupational exposure to crystalline silica for 5 years or longer. Inhalation of quartz dusts may cause shortness of breath, limitation of chest expansion, dry cough, and a lessened capacity for work. Individuals with a pre-existing disease in, or a history of ailments involving the skin or respiratory tract, are at greater risk for developing adverse health effects when exposed to this material.



In humans, chronic intermittent exposure to quartz caused pulmonary fibrosis, cough, and difficulty breathing. Overexposure to crystalline silica may cause silicosis, a form of disabling, progressive, and sometimes-fatal pulmonary fibrosis characterized by the presence of typical nodulation in the lungs. Tuberculosis frequently complicates silicosis and the risk for tuberculosis is also increased in workers exposed to silica who have no radiographic evidence of silicosis. Crystalline silica can cause silicotic lesions in such organs as the liver, spleen and bone marrow. In humans, a causal relationship exists between exposure to crystalline silica and the development of autoimmune diseases. In multi-dose studies with animals, long term inhalation of quartz affected the lungs, endocrine system, immune system and blood.

This product contains quartz (respirable) as an impurity. Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica. In 1997, IARC concluded that crystalline silica inhaled from occupational sources could cause lung cancer in humans. However it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated.

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Biotite (1302-27-8)

LD50: Not available. LC50: Not available.

Hornblende (12178-42-6)

LD50: Not available. LC50: Not available.

Quartz – Crystalline Silica (14808-60-7)

Oral LD50 Rat >90 mL/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

#### **Irritation/Corrosivity Data:**

May cause eye irritation, skin irritation, respiratory tract irritation, and gastrointestinal tract irritation.

#### **Respiratory Sensitizer:**

No test data available

#### **Dermal Sensitizer:**

No test data available

#### **Carcinogenicity:**

##### **Component Carcinogenicity:**

Sea Clay – CAS #1332-58-7

ACGIH: A4 – Not classified as a Human Carcinogen

Biotite – CAS #1302-27-8

ACGIH: A4 – Not classified as a Human Carcinogen

Hornblende – CAS #12178-42-6

ACGIH: A4 – Not classified as a Human Carcinogen

Quartz – CAS #14808-60-7

ACGIH: A2 – Suspected Human Carcinogens

IARC: Group 1 – Carcinogenic to humans

#### **Mutagenic Data:**

No information available

#### **Reproductive Effects Data:**



No information available

**Specific Organ Toxicity – Single Exposure:**

Target organs include ears, skin, respiratory system, and gastrointestinal tract.

**Specific Organ Toxicity – Repeated Exposure:**

Causes damage to eyes, skin, respiratory system, and gastrointestinal tract through prolonged or repeated exposure.

**Aspiration Hazard:**

No data available

**Medical Conditions Aggravated by Exposure:**

Individuals with pre-existing eye disorders, skin disorders, respiratory disorders and/or gastrointestinal disorders may have increased.

## Section 12: Ecological Information

**Ecotoxicity:**

No information available for the product

**Component Analysis – Aquatic Toxicity:**

No LOLI ecotoxicity data are available for this product's components

No information available for the product

**Bioaccumulation:**

No information available for the product

**Bioconcentration:**

This material is not believed to be bioconcentrate

**Biodegradation:**

This product is made from a naturally occurring, abundant, innocuous mineral

**Persistence:**

This product is made from a naturally occurring, abundant, innocuous mineral

**Mobility in Soil:**

This product is insoluble in water

**Results of PBT and vPvB Assessment:**

Not relevant

**Other Toxicity:**

May affect turbidity if discharged in large quantities to lakes, streams or sewers.

## Section 13: Disposal Conditions

**Waste treatment methods:** Dispose of contents in accordance with local, state or national legislation.

This product may not be disposed of in waterways or sewers.

## Section 14: Transport Information

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable



Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			

## Section 15: Regulatory Information

SARA Title III Section 302 Extremely Hazardous Substances: This product does not contain extremely hazardous subject to the reporting requirements of Section 302 to Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 355.

SARA Title II Section 311 and 312 Health and Physical Hazard Categories per 40 CFR 370.2:

<b>Immediate</b>	<b>Delayed</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactivity</b>
Yes	Yes	No	No	No

SARA Section 313 Notification: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: Product is listed in Initial Inventory, Vol. 1, Appendix A, CAS No. 1332-58-7.

FDA: Clay is generally recognized as safe (GRAS) under the FDA in accordance with 21 CFR 186.1256.

CERCLA: Clay is not a CERCLA listed hazardous substance.

California Proposition 65: WARNING: This product may also contain extremely small amounts of one or more naturally-occurring materials known to the State of California to cause cancer, birth defects, or other reproductive harm.

NJ Special Health Hazardous Substances List: RTK Hazardous Substance List; Substance number 4016.

PA Special Hazardous Substances List: Regulated under PA Code Chapter 323.

Stockholm Convention: This product is not subject to the Stockholm Convention.

Montreal Protocol: This product is not subject to the Montreal Protocol.

Rotterdam Convention: This product is not subject to the Rotterdam Convention.

National Inventories:

DSL (Canada): Listed

NDSL (Canada): Not Listed

PICCS (Philippines): Listed

KECL (Korea): Listed

ENCS (MITI) (Japan): Listed

AICS (Australia): Listed

IECSC (China): Listed

EINECS (Europe): Listed

REACH Status: Exempt (Annex v.7): Product is a naturally occurring mineral.



## **Section 16: Other Information**

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.

