

## Safety Data Sheet Moringa Leaf Powder

October 4, 2017

### Section 1: Chemical Product and Company Identification

<b>Product name:</b>	Moringa Leaf Powder
<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

#### 2.1 CLASSIFICATION OF THE SUBSTANCE:

##### 2.1.1 Under EC Regulation 1272/2008 as amended ("CLP")

Acute toxicity, oral, category 4, H302

##### 2.2.1 Under EC Regulation 1272/2008 as amended ("CLP")

**Signal Word:** WARNING

**Pictograms:**



**Hazard Statements:**

H302: Harmful if swallowed

**Precaution Statements:**

P101: If medical advice is needed, have product container or label at hand.

P103: Read label before use.

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P233: Keep container tightly closed

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to in accordance with local/regional/national/international regulations.

**2.3 Other Hazards** – no data available

## Section 3: Composition/Information on Ingredients

CAS #	EINECS #	Substance	Percentage%
93165-54-9	N/A	Moringa Oleifera Fruit Powder	100%

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

#### Eye Contact:

Immediately rinse open eye for several minutes under running water. Then consult a doctor.

#### Skin Contact:

Immediately wash with soap and water and rinse thoroughly. Remove soiled clothing. Then consult a doctor.

#### Ingestion:

Make victim drink plenty of water; avoid vomiting (risk of perforation.) Immediately call a doctor. Do not attempt to neutralize.

#### Inhalation:

Supply fresh air; consult doctor in case of complaints.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indications of immediate medical attention and special treatment needed

None known.

## Section 5: Fire-Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards caused by the substance or mixture:

In case of fire, the following can be released:

Hazardous vapors

Carbon Dioxide, Carbon Monoxide

**Protective equipment:** Wear full protective suit and self-contained respiratory protective device.

**Additional information:** n/a

### 5.3 Advice for fire-fighters

No specific advice.



## Section 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Person-related safety precautions:** Isolate spillage and clean up immediately. Refer to Sections 7 & 8 for protective measures when handling the spillage.

### 6.2 Environmental precautions

**Measures for environmental protection:**

Do not allow liquid to enter sewers/surface or ground water.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Rinse off area with water.

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

**Information for safe handling:**

Observe the general safety regulations when handling chemicals.

Avoid contact with the eyes, skin and mucous membranes.

Avoid inhalation.

**Requirements to be met by storerooms and receptacles:**

No special requirements.

#### 7.1.1 Protective measures

Strictly control dust accumulation. Maintain adequate local and general exhaust ventilation. Avoid sources of ignition.

#### 7.1.2 Advice on general occupational hygiene

Wash hands after contact. Do not breath dusts. Avoid contact with liquids and powders.

### 7.2 Conditions for safe storage

Store in original container at or below 25°C.

### 7.3 Specific end uses

Not available

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

Ingredients with limit values that require monitoring in the workplace: None

### 8.2 Exposure controls



Avoid exposure to high temperature during processing  
Maintain adequate local and general ventilation where product is handled.

#### **8.2.1 Appropriate engineering controls**

Ventilation meeting ACGIH criteria

**Additional information:** N/A

**8.3 Personal protective equipment:** gloves, safety glasses

#### **General protective and hygienic measures:**

Follow Good Laboratory and Manufacturing Practices (GLP/GMP).  
Wash hands before breaks and at the end of work.

#### **Protection of hands:**

Disposable gloves

**Material of gloves:** Latex/Natural rubber (NR)

**Penetration time of glove material:** Gloves providing minimal protection are sufficient when the product is handled in accordance with the instructions for use.

**Eye protection:** Safety glasses

**Body protection:** Lab coat

**Respiratory protection:** NIOSH-approved organic vapor respiration or equivalent.

## **Section 9: Physical and Chemical Properties**

### **General Information**

**Form:** Powder

**Color:** Dark green to brown

**Odor:** To match standard

#### **Change in Condition**

**Melting point/Boiling range:** N/A

**Boiling point/Boiling range:** Not determined

**Flash point:** 98°C (Closed Cup)

**Self-igniting:** Will not self-ignite

**Danger of explosion:** Does not present an explosion hazard.

**Vapor Pressure:** <0.1 mm Hg @ 20°C (estimated)

**Density @ 20°C:** N/d g/cc

**Refractive Index:** N/A @ 25°C

**Solubility/Miscibility with water:** N/A

**pH-value at 20°C:** Not applicable

## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

**Stability:** Stable when stored in accordance with the recommended storage conditions.

### **10.2 Chemical stability**



Stable at ambient temperatures.

### **10.3 Possibility of hazardous reactions**

Not known.

### **10.4 Conditions to avoid**

Do not heat closed containers.

### **10.5 Incompatible materials**

#### **Materials to be avoided:**

Oxidizers  
Strong acids or bases

**Hazardous reactions:** No dangerous reactions known.

### **10.6 Hazardous decomposition products:**

CO<sub>2</sub>, CO

## **Section 11: Toxicological Information**

#### **Acute toxicity:**

#### **LD/LC50 values relevant for classification:**

Calculated LD50: 1585 mg/kg (experimental, mouse, intraperitoneal)

#### **Primary effects:**

**After skin contact:** irritation  
**After eye contact:** irritation  
**After ingestion:** nausea  
**Sensitization:** may cause sensitization

**Chronic Toxicity:** none known

## **Section 12: Ecological Information**

**Ecotoxic effects:** Not tested

**Aquatic toxicity:** Not tested

## **Section 13: Disposal Conditions**

#### **Product:**

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

#### **European Waste Catalogue:**

07 07 04 other organic solvents, washing liquids and mother liquors.

#### **Packaging:**



Disposal must be made in accordance with local waste management regulations. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

## **Section 14: Transport Information**

**DOT:** Non-hazardous

**Land Transport:** Non-hazardous

**Sea Transport:** Non-hazardous

**Air Transport:** Non-hazardous

## **Section 15: Regulatory Information**

**15.1 Labeling according to guidelines:** see Section 2

**Code letter and hazard designation of product:** see Section 2

**15.2 Chemical Safety Assessment:** Not available

## **Section 16: Other Information**

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