

MATERIAL SAFETY DATA SHEET

BMP 123 Primary Powder

Manufacturer:
Becker Microbial Products, Inc.
11146 NW 69th Place
Parkland, FL 33076
Tel: (954) 345-9321

Issue Date: February 12, 2013
TSCA Status: Exempt
Product Name: BMP 123 Primary Powder
Chemical Name: *Bacillus thuringiensis* subspecies *kurstaki*
Dot Classification: Not Regulated

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| <u>NAME (CAS NO.)</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|---|---------------------|----------------------|
| <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> CAS # 68038-71-1 | NL | NL |
| Mixture considered hazardous per <u>OSHA Criteria</u> | <u>NL</u> | <u>NL</u> |

PHYSICAL PROPERTIES:

Appearance: Tan powder. The potency is not less than 80,000 IU/mg or 36 billion IU per pound.

Solubility: Not soluble forms a suspension
Boiling Point: N/A
High pH: 5.0 – 6.5
Vapor Density: N/A
Viscosity: N/A
Melting Point: N/A
Vapor Pressure: N/A
Density: N/A

FIRE AND EXPLOSION DATA:

Flash Point: Non-Flammable

Extinguishing Media: Use appropriate media for cause of fire.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus.

Unusual fire and explosion hazards N/D

REACTIVITY:

Incompatibility: Do not expose to solutions with high alkalinity.

Hazardous Decomposition or Bi-products: N/D

Conditions to Avoid: Avoid storage at temperatures above 30°C (85°F).

HEALTH HAZARD INFORMATION:

Routes of Entry: Inhalation – No

Skin - No

Ingestion - No

Oral Toxicity: The acute oral LD₅₀ in both male and female rates was > 5,000 mg/kg by.wt. indicating that the material is non-toxic by ingestion in single doses.

Dermal Toxicity: The acute dermal LD₅₀ in both male and female rabbits was found to be > 2,000 mg/kg by.wt. indicating that the material is no more than slightly toxic by single skin application.

Dermal and Eye Irritation: The product is considered to be mildly irritating to rabbit eye and/or skin.

Dermal Sensitization: Appropriate skin sensitization studies in guinea pigs have indicated that the product is a non-sensitizing agent.

Inhalation Toxicity: LC₅₀ for a similar formulation in a four hour inhalation studies in rats was >3.19 mg/L (actual) of air, the maximum attainable concentration.

Corrosiveness: Non-corrosive.

Carcinogenicity: NTP- NL

IARC - NL

OSHA - NL

ACGIH - NL

Signs and Symptoms of Exposure: May cause eye irritation upon direct contact with the eye. Excessive exposure to mist may cause irritation of the eyes, throat and nose.

Medical Conditions Aggravated by Exposure: Pre-existing eye lesions or lung disease.

Emergency and First Aid Procedures: Remove individual to fresh air. Seek medical attention if there is difficulty in breathing. If skin or eye contact occurs flush with plenty of water. If irritation persists, seek medical attention. No known antidote. Provide symptomatic / supportive care as necessary.

SPECIAL HANDLING AND STORAGE:

Tightly close containers of unused materials. Do not contaminate water, food, or feed by storage or disposal. Store in a secure, cool, dry, well ventilated room, building or covered area. Avoid temperatures above 30°C (85°F).

SPILL OR LEAK PROCEDURES:

Absorb spill with an inert material, such as clay, and place in a container for disposal.

WASTE DISPOSAL:

Dispose of product in accordance with federal, state, and local regulations.

ADDITIONAL REGULATORY INFORMATION: Sara Title m Data

Section 311 and 312 Hazard Categories:

Immediate Health Hazard - None

Delayed Health Hazard - None

Fire Hazard - None

Reactive Hazard - None

Sudden Pressure Release Hazard - None

Section 302: Extremely Hazardous Substances - None

Section 313: Toxic Chemicals - None

CERCLA Reportable Quantity - Not Listed

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Legend:

N/A = Not Applicable

N/D = Not Determined

N/L = Not Listed