

## MATERIAL SAFETY DATA SHEET

### BMP 123 (48 LC)

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

Issue Date: January 15, 2013  
TSCA Status: Exempt  
Product Name: BMP 123 (48 LC)  
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 to medium brown suspension. The potency is 10,750 IU/mg or 48 billion IU per gallon.

Solubility: Not soluble forms a suspension  
Boiling Point: 212°F  
High pH: 4.5  
Vapor Density: same as water  
Viscosity: <800 cps  
Melting Point: N/A  
Vapor Pressure: N/A  
Specific Gravity: 1.06-1.15

#### FIRE AND EXPLOSION DATA:

**Flash Point:** Non-Flammable  
**Extinguishing Media:** Not Applicable  
**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 85°F.

#### HEALTH HAZARD INFORMATION:

**Routes of Entry:** Inhalation – No  
Skin - No  
Ingestion - No

**Oral Toxicity:** The acute oral LD<sub>50</sub> 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 LD<sub>50</sub> 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:** LC<sub>50</sub> for a similar formulation in a four hour inhalation studies in rats was >3.59 mg/L (actual) of air, the maximum attainable concentration.

**Corrosiveness:** Slightly corrosive before dilution.

**Carcinogenicity:** NTP- NL  
IARC - NL  
OSHA - 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 and avoid temperatures above 85 degrees 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**

**The information and statement herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**

**Legend:**

N/A = Not Applicable

N/D = Not Determined

N/L = Not Listed