

# 8 SAFETY DATA SHEET (SDS)

## ISO NPK 313

January, 2017

### 1. MATERIAL – PREPARATION AND COMPANY NAME

- 1.1 Identification of the substance: Derived from plant protein hydrolysate and potassium sulfate
- 1.2 Product Name: ISO NPK 3-1-3
- 1.3 Use of Product: Crop Treatments, Manufacturing of Crop Treatment Substances
- 1.4 Company Identification: Beem Biologics Inc.
- 1.5 Company Address:
  - 38768 W. Farrell Road
  - Maricopa, AZ 85138
- 1.6 Emergency Telephone Number: 001-530-304-4366

### 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture: Not a hazardous substance or mixture
- 2.2 Hazards not otherwise classified (HNOC), or not covered by GHS: None

### 3. COMPOSITION OF INGREDIENTS

- 3.1 No ingredients are hazardous according to OSHA Criteria

### 4. FIRST AID MEASURES

- 4.1 Description of first aid measures:
  - If inhaled, move person into fresh air, If not breathing, give artificial respiration.
  - In case of skin contact, wash with soap and water.
  - In case of eye contact, flush with water as a precaution.
  - If swallowed, rinse mouth with water.
- 4.2 Most important symptoms and effects, both acute and delayed: None known
- 4.3 Indication of any immediate medical attention and special treatment needed: None known, No data available

### 5. FIRE FIGHTING MEASURES

- 5.1 Suitable for fire-extinguishing material: Not applicable, Non-flammable liquid
- 5.2 Special Dangers: None known to Beem Biologics Inc.
- 5.3 Special protective actions for fire-fighting: Not applicable, Not flammable

### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Avoid spills. Wear protective clothing, rubber gloves, and goggles. Wash or dispose of contaminated clothing. No special actions necessary for fire or explosion protection.
- 6.2 Environmental precautions: Contain spills. Prevent discharge into the environment. No special environmental precautions required.
- 6.3 Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal and rinse area with water.

### 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling: Wear protective clothing, rubber gloves, and goggles. Avoid breathing vapors or mist.
- 7.2 Conditions for safe storage: Store in a cool, dry, and well ventilated location. Avoid direct sunlight. Storage at temperatures above 0C and below 40C.
- 7.3 Storage class: Non-flammable liquid in a non-flammable container.
- 7.4 Specific uses: Foaming agent, surfactant, emulsifier, crop treatment.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure limits: Contains no substances with occupational exposure limit values.  
8.2 Exposure controls: General industrial hygiene practices. No special environmental precautions required.  
8.3 Personal protective equipment:

Hand protection – rubber gloves  
Eye protection – goggles  
Body protection – impervious clothing  
Respiratory protection – not required

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 General information:**

Form: Liquid

Color: Dark brown

Odor: Characteristic, woody

### **9.2 Important health, safety, and chemical information:**

pH: 4.0 to 8.0

Solubility: Completely soluble in water

Specific gravity: Less than 1.2 g/cc

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available, Non-flammable liquid

Auto-Ignition temperature: No data available, Non-flammable liquid

Decomposition temperature: No data available

Evaporation rate: No data available

Viscosity: No data available

Explosive properties: No data available, Non-flammable liquid

Vapor pressure: No data available

Vapor density: No data available

Oxidizing properties: No data available

## **10. STABILITY AND REACTIVITY**

10.1 Conditions to avoid: None known to Beem Biologics Inc.

10.2 Materials to avoid: None known to Beem Biologics Inc.

10.3 Hazardous decomposition products: None known to Beem Biologics Inc.

10.4 Chemical Stability: Stable under recommended storage conditions.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Acute toxicity:**

On skin: No data available

On eyes: No data available

Ingestion: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

### **11.2 Chronic toxicity:**

Sensibility: No data available

Carcinogenic and reproductive-hazardous effect: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – multiple exposure: No data available

Aspiration hazard: No data available

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm, and meets California Prop 65 components.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment: Not available as chemical safety assessment is not required and not conducted
- 12.6 Other adverse effects: None known to Beem Biologics Inc.,

### **13. DISPOSAL CONSIDERATIONS**

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- 13.1 Dispose in accordance to all local regulations
- 13.2 Disposal of contaminated packaging: Disposed of unused product

### **14. TRANSPORT INFORMATION**

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- 14.1 No limits know to transport

DOT – Not dangerous goods

IMDG – Not dangerous goods

IATA – Not dangerous goods

### **15. REGULATORY INFORMATION**

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15.1 Reach Number: A registration number is not available for this substance as the substance or its uses are exempt from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration date.

15.1 SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

15.2 SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

15.3 SARA 311/312 Hazards: No SARA hazards.

### **16. OTHER INFORMATION**

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- 16.1 HMIS Rating:

Health hazard: 0  
Chronic health hazard: 0  
Flammability: 0  
Physical hazard: 0

- 16.2 NFPA Rating:

Health hazard: 0  
Fire hazard: 0  
Reactivity hazard: 0

16.3 The information presented in this safety sheet is updated to the best of our knowledge and describes only the safety measures to be taken in the handling of this product. In no way does it represent a guaranty on the properties described herein.



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