

## Material Safety Data Sheet

### THAUMATIN

#### Section 1: Product and Company Identification

**Product Name :** Thaumatococcus daniellii

**Brand :** Pure

**CAS Number :** 53850 – 34 - 3

**Supplier Details:**

**Max Natura Pvt Ltd, SP-5, Desur Industrial Area, Katgali, Belgaum, Karnataka 590014**

**Manufacturer Details:**

**As Above**

**For emergency assistance call +91 9892000744**

#### Section 2: Composition and Information on Ingredients

**Composition:** Thaumatococcus daniellii is a composition of two natural proteins, Thaumatococcus I & Thaumatococcus II

**Toxicological Data on Ingredients:** Generally recognized as safe (GRAS).

#### Section 3: Hazards Identification

Hazard symbols: None

Potential Acute Health Effects: None

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: None

MUTAGENIC EFFECTS: None

TERATOGENIC EFFECTS: None

DEVELOPMENTAL TOXICITY: None

#### Section 4: First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Inhalation:** If inhaled, move person to fresh air, give artificial respiration if required

#### Section 5: Fire and Explosion Data

**Flammability of the Product:** Not established.

**Auto-Ignition Temperature:** Not established.

**Flash Points:** Not established

**Flammable Limits:** Not established.

**Products of Combustion:** None

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: None.

Risks of explosion of the product in presence of static discharge: None.

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** None.

**Special Remarks on Explosion Hazards:** None.

**Section 6: Accidental Release Measures****Personal Precautions, Protective equipment and Emergency procedures:**

Avoid dust formation. Avoid breathing vapours, mist or gas.

**Environmental Precautions:**

Do not let product enter drains

**Methods and materials for containment and cleaning up:**

Sweep up and shovel. Keep in suitable, closed containers for disposal as per local regulations

**Section 7: Handling and Storage****Precautions for safe handling:**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Keep container tightly closed. Recommended storage temperature 2 – 10 °C

**Section 8: Exposure Controls/Personal Protection****Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. **Personal Protection:** Safety glasses, face mask, Gloves, Lab coat.

**Exposure Limits:** Not available.

**Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Crystalline powder.

**Odor:** No Characteristic odour

**Taste:** Sweet

**Molecular Weight:** Approx 22,000 Daltons.

**Color:** off white.

**pH :** 3 – 4 ( 1% aqueous solution)

**Boiling Point:** 1815<sup>0</sup>C @ 760mmHg

**Melting Point:** Not available

**Specific Gravity:** Not available

**Vapor Pressure:** Not available.

**Vapor Density:** Not available

**Solubility:** Soluble in water.

**Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Heat, incompatible materials

**Incompatibility with various substances:** Incompatible with strong oxidizing agents.

**Corrosivity:** None

**Special Remarks on Reactivity:** None.

Special Remarks on Corrosivity: None

Polymerization: No data available.

## **Section 11: Toxicological Information**

**Routes of Entry:** Absorbed through skin. Eye contact.

### **Toxicity to Animals:**

LD50: >20g/Kg.

LC50: >20g/Kg.

Chronic Effects on Humans: None.

**Other Toxic Effects on Humans:** None

**Special Remarks on Toxicity to Animals:** None.

**Special Remarks on Chronic Effects on Humans:** None.

**Carcinogenicity:** Not carcinogenic

### **Acute Potential Health Effects:**

Skin: None.

Eyes: None.

Inhalation: None.

Reproductive toxicity: None.

## **Section 12: Ecological Information**

**Eco toxicity:** None.

**BOD and COD:** Not available.

**Products of Biodegradation:**None

**Toxicity of the Products of Biodegradation:** None.

**Special Remarks on the Products of Biodegradation:** None.

## **Section 13: Disposal Considerations**

### **Waste Disposal:**

Waste must be disposed of in accordance with local and national environmental control regulations.

## **Section 14: Transport Information**

DOT Classification: Not a DOT controlled material

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

## **Section 15: Regulatory Information**

**Safety , health and environmental regulations/legislation specific for the substance:**

No data available

### **Chemical safety Assessment:**

No data available

## **Section 16: Other Information**

Other Special Considerations: Not available.

The information and recommendations contained in this Data Sheet are believed to be accurate and represent the best information currently available to us, but no warranty, guarantee or representation is made, as to the absolute correctness or sufficiency of the information and recommendations in this Data Sheet, nor can it be assumed that all possible safety measures are contained in this Data Sheet or that other additional measures may not be required under varying conditions and circumstances.