

Material Safety Data Sheet

THAUMATIN

Section 1: Product and Company Identification

Product Name : Thaumatin extracted from *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: Thaumatin is a composition of two natural proteins, Thaumatin I & Thaumatin 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°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.