



## SAFETY DATA SHEET

DATE: 16<sup>th</sup> October 2024

### 1. Identification

**Product Name:** Benfotiamine

**CAS Number:** 22457-89-2

**Recommended use/Use advised against:** No information available

#### **Details of the Australian Supplier:**

Astral Scientific Pty Ltd  
29 Mangrove Lane  
Taren Point NSW 2229

**Company Phone Number:** 02 9540 2055

**Email Address:** [support@astralscientific.com.au](mailto:support@astralscientific.com.au)

**Emergency Telephone Number:** 13 11 26

### 2. Hazard(s) Identification

#### **Classification**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### **Label Elements including Precautionary Statements**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.



GHS OK

### 3. Composition / Information on ingredients

Formula	CAS #	Molecular Weight
C <sub>19</sub> H <sub>23</sub> N <sub>4</sub> O <sub>6</sub> PS	22457-89-2	466.45 g/mol

No components need to be disclosed according to the applicable regulations.

### 4. First-aid measures

**General Advice** After inhalation: fresh air.

**Eye Contact** After eye contact: rinse out with plenty of water. Remove contact lenses.

**Skin Contact** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Inhalation** After inhalation: fresh air.

**Ingestion** After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

**Most important symptoms/effects** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

### **5.Fire-fighting measures**

**Suitable extinguishing media** Water, Foam, carbon dioxide (CO2), dry powder

**Unsuitable extinguishing media** For this substance/mixture no limitations of extinguishing agents are given.

### **Specific hazards arising from the chemical**

Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus  
Combustible.  
Development of hazardous combustion gases or vapours possible in the event of fire.

### **Protective equipment and precautions for firefighters**

In the event of fire, wear self-contained breathing apparatus.

### **Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **6.Accidental release measure**

**Personal precautions** Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

**Environmental precautions** Do not let product enter drains.

**Methods for containment/clean-up** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **7.Handling and storage**

**Handling** Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes.

**Storage** Store at room temperature. Keep container tightly closed in a dry and light resistant container.

## **8.Exposure controls / personal protection**

### **Personal protective equipment**

**Eye/Face protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory protection** Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## **9.Physical and chemical properties**

**Physical state** Powder / Crystals

**Appearance** White Crystalline / Powder

**Odor** No information available

**Odor threshold** No information available

**pH** No information available

**Melting point/range** No information available

**Boiling point/range** No information available

**Flash point** No information available

**Evaporation rate** Not applicable

**Flammability (solid, gas)** No information available

**Flammability or explosive elements**

**Upper** No information available

**Lower** No information available

**Vapor pressure** No information available

**Vapor density** Not applicable

**Specific gravity** No information available

**Solubility** No information available

**Partition coefficient; n-octanol/water** No data available

**Autoignition temperature** No information available

**Decomposition temperature** No information available

**Viscosity** Not applicable

**10.Stability and reactivity**

**Reactive hazard** The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

**Stability** Stable under normal conditions

**Conditions to avoid** No information available

**Incompatible materials** Strong oxidizing agents

**Hazardous decomposition products** In the event of fire: see section 5

**Hazardous reactions** No information available

**11.Toxicological information**

**Acute Toxicity**

**Product information**

LD50 Oral	LD50 Dermal	LC50 Inhalation
Mouse - 15,000 mg/kg	No data available	No data available

**Toxicologically synergistic products** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** No information available

**Mutagenic effects** No information available

**Reproductive effects** No information available

**Developmental effects** No information available

**Teratogenicity** No information available

**STOT – single exposure** None known

**STOT – repeated exposure** None known

**Aspiration hazard** No information available

<b>Endocrine disruptor information</b>	No information available
<b>Other adverse effects</b>	The toxicological properties have not been fully investigated.

## **12. Ecological information**

### **Ecotoxicity**

No information available

**Persistence and degradability** No information available

**Bioaccumulation/accumulation** No information available

**Mobility** No information available

## **13. Disposal considerations**

**Waste disposal methods** No information available

## **14. Transport information**

**DOT** Not dangerous goods

**TDG** Not dangerous goods

**IATA** Not dangerous goods

**IMDG/IMO** Not dangerous goods

## **15. Regulatory information**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations:**

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

**Revision date** 16<sup>th</sup> October 2024

**Revision Note** No information available.

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

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**End of Safety Data Sheet**