



## SAFETY DATA SHEET

DATE: 17<sup>th</sup> October 2024

### 1. Identification

**Product Name:** Pyridoxal 5'-phosphate

**CAS Number:** 41468-25-1

**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 |
|-----------------------------|------------|------------------|
| $C_8H_{10}NO_6P \cdot H_2O$ | 41468-25-1 | 265.16 g/mol     |

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

### 4. First-aid measures

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

|  |   |
|--|---|
| <b>Skin Contact</b>                    | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water and soap.          |
| <b>Inhalation</b>                      | Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.      |
| <b>Ingestion</b>                       | Never give anything by mouth to an unconscious person. Rinse mouth with water.                                    |
| <b>Most important symptoms/effects</b> | 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** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media** No information available

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

Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Oxides of phosphorus

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

Wear self-contained breathing apparatus for firefighting if necessary.

### **Further information**

No information available

## **6.Accidental release measure**

**Personal precautions** Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

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

**Methods for containment/clean-up** Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **7.Handling and storage**

**Handling** Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage** Store in a cool place. Store below 25°C, Protect from moisture and light. Keep container tightly closed in a dry and well-ventilated place.

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

### **Personal protective equipment**

|                                 |  |
|---------------------------------|--|
| <b>Eye/Face protection</b>      | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses   |
| <b>Skin and body protection</b> | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
| <b>Respiratory protection</b>   | Respiratory protection is not required.  |
| <b>Hygiene measures</b>         | Handle in accordance with good industrial hygiene and safety practice.   |

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

|   |                          |
|---|--------------------------|
| <b>Physical state</b>                         | Solid                    |
| <b>Appearance</b>                             | No information available |
| <b>Odor</b>                                   | No information available |
| <b>Odor threshold</b>                         | No information available |
| <b>pH</b>                                     | No information available |
| <b>Melting point/range</b>                    | No information available |
| <b>Boiling point/range</b>                    | No information available |
| <b>Flash point</b>                            | No information available |
| <b>Evaporation rate</b>                       | Not applicable           |
| <b>Flammability (solid, gas)</b>              | No information available |
| <b>Flammability or explosive elements</b>     |                          |
| <b>Upper</b>                                  | No information available |
| <b>Lower</b>                                  | No information available |
| <b>Vapor pressure</b>                         | No information available |
| <b>Vapor density</b>                          | Not applicable           |
| <b>Specific gravity</b>                       | No information available |
| <b>Solubility</b>                             | No information available |
| <b>Partition coefficient; n-octanol/water</b> | No data available        |
| <b>Autoignition temperature</b>               | No information available |

**Decomposition temperature** No information available

**Viscosity** Not applicable

### **10.Stability and reactivity**

**Reactive hazard** No information available

**Stability** Stable under normal conditions

**Conditions to avoid** No information available

**Incompatible materials** Strong acids

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

**Hazardous reactions** No information available

### **11.Toxicological information**

#### **Acute Toxicity**

#### **Product information / Component information**

| LD50 Oral         | LD50 Dermal       | LC50 Inhalation   |
|-------------------|-------------------|-------------------|
| Rat - 5,900 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

**Endocrine disruptor information** No information available

**Other adverse effects** 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** 17<sup>th</sup> October 2024

**Revision Note** No information available.

### **Disclaimer**

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**End of Safety Data Sheet**