

## Material Safety Data Sheet

### 1. Identification of the Substance

**Product Name:** Product Name: L-Glutamate Oxidase 25 (formerly Seikagaku cat# 100646)

**Catalogue :** AMS.YMS-80049

**Manufacturer :** AMS Biotechnology (Europe) Limited

### Section 2: Composition/Information on Ingredients

#### Hazardous/Non-Hazardous Component

| Component   | CAS No     | Content | Hazards |
|---|------------|---------|---------|
| L-Glutamate oxidase<br>( <i>Streptomyces sp.</i> ) (E.C. 1.4.3.11)<br><u>Not contain Living Modified Organism</u> | 39346-34-4 | —       | No      |

### Section 3: Hazards Identification

**Inhalation:** May cause irritation of respiratory tract.

**Ingestion:** May be harmful if swallowed.

**Skin contact:** May cause allergic skin reaction.

**Eye contact:** Avoid contact with eye.

### Section 4: First Aid Measures

**General Advice:** In the case of accident or if you feel unwell, seek medical advice immediately.

**Inhalation:** Remove to fresh air. If individual is not breathing, being artificial respiration immediately and obtain medical attention.

**Ingestion:** Wash out mouth with water immediately and obtain medical attention.

**Skin contact:** Wash affected areas with water or soap and water. If pain or irritation occurred, obtain medical attention.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Contact physician immediately.

### Section 5: Fire Fighting Measures

**Flash point:** No data available.

**Suitable extinguishing material:** water spray, carbon dioxide, or fire retardant foams and powders.

**Fire fighting procedure:** Fire fighters should wear protective clothing and self-contained breathing apparatus.

## **Section 6: Accidental Release Measures**

**Personal precautions:** Wear protective equipment.

**Environmental precaution:** Prevent product from entering drains.

**Methods for clean up:** Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## **Section 7: Handling and Storage**

**Storage precaution:** Store at refrigerator or lower temperatures under dry condition.

**Handling:** Use only in area provided with appropriate exhaust ventilation. Wash hands thoroughly after handling this material.

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

**Respirator:** Dust Respirator

**Ventilation:** Extraction hood

**Gloves:** Rubber or plastic surgical grade

**Eye Protection:** Goggles or face shield

**Other precautions:** Plastic apron, boots if handling large quantities

## **Section 9: Physical and Chemical Properties**

**Appearance:** lyophilized powder. White color.

**Melting point:** No data available.

**Boiling point:** No data available.

**Density:** No data available.

**Vapor pressure:** No data available.

**Solubility in water:** No data available.

**Flash point:** No data available.

**Explosion limits:** No data available.

**Ignition Temperature:** No data available.

## **Section 10: Stability and Reactivity**

**Stability:** Stable under recommended storage conditions.

**Polymerization:** None under normal processing.

**Hazardous decomposition products:** No data available

**Materials to avoid:** No data available

**Condition to avoid:** Exposure to air or moisture over prolonged period.

## **Section 11: Toxicological Information**

**Toxicity data:** No data available.

**Carcinogenicity:** No data available.

**Systemic effect:** No data available.

## **Section 12: Ecological Information**

No data available.

### **Section 13: Disposal Considerations**

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

### **Section 14: Transportation Information**

DOT: Not regulated.

### **Section 15: Regulatory Information**

Inventory-United States TSCA: Not listed.

### **Section 16: Other Information**

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**UK & Rest of the World**  
184 Park Drive, Milton Park  
Abingdon, UK  
T: +44 (0)1235 828 200  
F: +44 (0) 1235 820 482



**North America**  
1035 Cambridge Street,  
Cambridge, MA 02141  
T: +1 617 945 5033 or  
T: +1 800 987 0985  
F: +1 617 945 8218



**Germany**  
Bockenheimer Landstr. 17/19  
60325 Frankfurt/Main  
T: +49 (0) 69 779099  
F: +49 (0) 69 13376880



**Switzerland**  
Centro Nord-Sud 2E  
CH-6934 Bioggio-Lugano  
T: +41(0) 91 604 55 22  
F: +41(0) 91 605 17 85