

SAFETY DATA SHEET (MSDS)

SECTION 1: Identification of the Substance

1.1 Product Identification

Product Name: S-Acetyl-L-Glutathione

CAS: 3054-47-5

EINECS: 221-275-5

1.2 Supplier Information

Company name: Shenzhen JaYoo Biotech Co., Ltd

Add.: Unit 7C92B, Building 213, Tairan Technology Park, No. 113 Tairan 4th Road

Tian'an Community, Shatou Subdistrict, Futian District, Shenzhen, China

Contact phone number: 13870773083

1.3 Emergency Telephone Number

Emergency Response: 13870773083

SECTION 2: Hazard Identification

2.1 GHS Classification

Acute Oral Toxicity: Category 4 (H302)

2.2 GHS Label Elements

Signal Word: Warning

Hazard Statement: H302 Harmful if swallowed

Precautionary Statements:

P280 Wear protective gloves, eye protection and protective clothing

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes

2.3 Other Hazards

No flammable, explosive, corrosive hazards under normal conditions

SECTION 3: Composition / Information on Ingredients

Single pure substance

S-Acetyl-L-Glutathione $\geq 98.0\%$

Impurities: $\leq 2.0\%$, no hazardous impurities

SECTION 4: First-Aid Measures

Inhalation: Move to fresh air. Seek medical advice if discomfort persists

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Skin Contact: Wash skin thoroughly with plenty of soap and water. No special irritation risk

Eye Contact: Immediately rinse eyes with flowing clean water for 15+ minutes, keep eyelids open. Consult ophthalmologist

Ingestion: Do NOT induce vomiting. Rinse mouth, drink plenty of water. Immediately contact doctor/poison control center

SECTION 5: Fire-Fighting Measures

Flammability: Non-flammable solid

Extinguishing Media: Water spray, dry powder, carbon dioxide, foam

Special Fire Hazards: Thermal decomposition releases toxic nitrogen oxides, sulfur oxides fumes

Firefighter Protection: Wear full-face self-contained breathing apparatus (SCBA) and full protective suit

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid dust inhalation, wear PPE, isolate leakage area

Environmental Precautions: Prevent runoff into waterways, soil and drainage systems

Cleanup Methods: Collect dry powder sealed into clean containers; wipe residual with wet cloth, dispose as hazardous waste

SECTION 7: Handling and Storage

7.1 Handling Precautions

Avoid dust generation; sealed operation; good ventilation; avoid direct contact with skin, eyes, mouth

7.2 Storage Conditions

Store at cool, dry, dark, inert gas protection

Keep away from strong oxidants, strong acids, strong alkalis; separate from food materials

Shelf life: 24 months under proper storage

SECTION 8: Exposure Controls / Personal Protection

8.1 Occupational Exposure Limits

No established occupational threshold limit value (TLV)

8.2 Engineering Controls

Local exhaust ventilation, dust removal equipment

8.3 Personal Protective Equipment

Respiratory: Dust-proof respirator

Hand: Nitrile rubber gloves

Eye: Safety goggles

Body: Chemical protective work clothing

SECTION 9: Physical and Chemical Properties

Appearance: White crystalline powder

Odor: Odorless

Melting Point: Decomposed at high temperature

Boiling Point: 770.2 ± 60.0 °C (predicted)

Stability: Stable at low temperature; easily degraded by light, high temperature, strong oxidants

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under recommended storage

Conditions to Avoid: High temperature, direct sunlight, moisture, open air

Incompatible Substances: Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products: NO_x, SO_x, toxic sulfur-containing compounds

No polymerization hazard

SECTION 11: Toxicological Information

Acute Oral LD₅₀: Low acute toxicity, classified as harmful if swallowed

Skin Irritation: Non-irritating

Eye Irritation: Mild irritation

Mutagenicity, Carcinogenicity, Reproductive Toxicity: No confirmed adverse data

Chronic Toxicity: No long-term toxic hazard reported

SECTION 12: Ecological Information

Aquatic Toxicity: Low toxicity to aquatic organisms

Biodegradability: Readily biodegradable in natural environment

Bioaccumulation: No obvious biological enrichment

Avoid large-scale discharge into natural water bodies

SECTION 13: Disposal Considerations

Waste Classification: General chemical hazardous waste

Disposal Methods: Entrust qualified professional unit to incinerate harmless treatment

Do not discard directly into domestic garbage, sewage and environment

SECTION 14: Transport Information

UN Number: Not classified as dangerous goods for general transportation

Transport Category: Ordinary chemical goods

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Transport Conditions: Sealed packaging, moisture-proof, sun-proof

Avoid mixed transport with food, feed, strong oxidants

SECTION 15: Regulatory Information

Compliant with EU REACH, OSHA HCS, GHS global harmonized classification regulations

Meet domestic chemical safety management and import & export safety standards

SECTION 16: Other Information

This MSDS is compiled according to chemical safety data, only for safety guidance. Data is valid for standard purity products.