



**MATERIAL SAFETY DATA SHEET**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** 3-O-Ethyl-L-ascorbic acid  
**Producer:** Binbo Biological Co., Ltd

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**2. INFORMATION OF PRODUCT**

CAS-No.: 86404-04-8  
EINECS-No.: 617-849-3

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**3. HAZARDS IDENTIFICATION**

This substance is considered to be non- hazardous for transport

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**4. FIRST AID MEASURES**

**Skin exposure:** None  
**Eye exposure:** Rinse with plenty of water.  
**Ingestion:** None  
**First aid facilities:** Not applicable  
**Advice to doctor:** None

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**5. FIRE FIGHTING MEASURES**

Suitable extinguishing media : None  
SPECIAL RISKS : None  
Wear self-contained breathing apparatus and protective clothing and gloves: None

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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions such as: use gloves and mask  
Environmental precautions such as : clean up material and forward to an approved disposal site.

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**7. HANDLING AND STORAGE**

**Handling:** Avoid formation of aerosols and microorganism and impurity .  
**Storage:** Store in a cool place. Keep container tightly closed in a dry, clean and well-ventilated place.

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure standards:** Not available  
**Engineering controls:** Any equipment used to handle this products, should be designed to minimize the escape of aerosols, dust and vapors.  
**Protective equipment:** Wear protective gloves, when there is a risk of getting in contact with the substance.  
**Educational demands:** Instruction and knowledge of application of this product is in the safety data sheet.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : white power

Safety data: **Melting point:** no data available.

**Boiling point:** no data available.

**Flash point:** no data available

**Ignition temperature :**no data available. **Lower explosion limit :**no data available.

**Upper explosion limit:** no data available.

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## 10. STABILITY AND REACTIVITY

Stability:stable.

No toxic odors and flammability;

nitrogen oxides sulfur oxides hazardous polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** no data available

**Irritation and corrosion** no data available

**Sensitization** no data available

**Chronic exposure IARC:** no data available

**Signs and Symptoms of Exposure** no data available

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## 12. ECOLOGICAL INFORMATION

None

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## 13. DISPOSAL CONSIDERATIONS

Product observes all federal, state, and local environmental regulations.

Contaminated packaging : Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

Keep transport clean, dry, ventilated, prevent sun, rain, moisture,mix transportation and storage with toxic and harmful and volatile odors items without mix transportation and storage with toxic and harmful and volatile odors items.

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## 15. REGULATORY INFORMATION

Comply with USP Standard

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## 16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions.It does not represent a guarantee for the product.