



# MATERIAL SAFETY DATA SHEET

NO: TSC- Amino Acid Powder HC

## 1. PRODUCT IDENTIFICATION

**Company:** Xi'an Tbio Crop Science Co., Ltd.  
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**Product Name:** TBIO Amino Acid Powder HC  
**Chemical Name:** Compound Amino Acid Powder

## 2. INGREDIENTS

### Composition:

<b>Total Free Amino Acid content</b>	<b>70%</b>
<b>Free Amino Acid</b>	<b>35%</b>
<b>Organic Nitrogen</b>	<b>11.2%</b>
<b>Amino Nitrogen</b>	<b>5.6%</b>

## 3. PHYSICAL DATA

**Form:** Powder  
**Color:** Light Yellow  
**Odor:** Ammonia  
**Viscosity:** N/A  
**Solubility in Water:** Soluble  
**Vapor Pressure:** N/A  
**Specific Gravity:** 0.47

## 4. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** N/A  
**Chronic Effects:** N/A

## 5. FIRST AID MEASURES

**Inhalation:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse.



Get medical attention.

**Skin Contact** Wash with water.

**Eye Contact:** Flush with water for 15 minutes. Seek medical advice if irritation persists.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or aistband. Get medical attention if symptoms appear.

## 6. FIRE FLIGHTING MEASURES

- Extinguishing Media:** In case of fire, appropriate extinguishing media include carbon dioxide, extinguish powder or water jet. Fight large fires with alcohol-resistant foam.
- Hazards from Combustion Products:** Product exhibits difficult combustion and is difficult to ignite. Combustion products include carbon monoxide and sulfur oxides.
- Special Protective Precautions and Equipment for Fire:** Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.
- Flammability Conditions:** Non-flammable solid.

## 7. ACCIDENT RELEASE MEASURES

None

## 8. HANDLING AND STORAGE

- Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
- Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 9. HEALTH HAZARD INFORMATION

- Inhalation:** Prolonged or repeated inhalation may affect respiration, liver, and blood.
- Skin Contact:** May cause skin irritation.
- Eye Contact:** May cause eye irritation.
- Ingestion:** May cause gastrointestinal tract irritation. May affect behavior/central nervous system (somnolence, muscle weakness, coma, and excitement).

## 10. STABILITY & REACTIVITY DATA

- Stability:** Stable under light, to be stored in a dry, clean, dark, well ventilated, moisture proof place
- Conditions of Instability:** Excess heat, incompatible materials.

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**Reaction:** Reactive with oxidizing agents, acids.

## 11. TOXICOLOGICAL INFORMATION

**Swallowed:** No information available on symptoms from swallowing this product.

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhaled:** Product may be irritating to the mucous membranes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Persistence and Degradability:** No information available on persistence/degradability for this product.

**Environmental Fate (Exposure):** Do not allow product to enter drains, waterways or sewers.

**Bioaccumulative Potential:** No information available on bioaccumulation for this product.

## 13. DISPOSAL PROCEDURES

**Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. TRANSPORT INFORMATION

**Proper Shipping Name:** TBIO Amino Acid Powder

**Packing:** In 20kgs net paper bags with liner inside.

## 15. REGULATORY INFORMATION

None

## 16. OTHER INFORMATION

The information presented herein is based on available data from reliable sources and is correct to the best of **Xi'an Tbio Crop Science Co., Ltd.** knowledge. Indications only describe product safety requirements and they are based on our actual knowledge. They represent no guarantee regarding the product's characteristics in the sense of legal warranty liability. Specifications are available in the individual technical data sheet of the various products.

Safety technical data sheet prepared by: product safety department.