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CNAS IB0071

# MATERIAL SAFETY DATA SHEET

**Product Name:** Amino Acid Fertilizer

**Revision Date:** Dec. 9, 2008

**Compiler:** Fengzhmo

**Checker:** Yangyi

**Approver:** Zhu yongming



Shanghai Research Institute of Chemical Industry Testing Centre  
Shanghai Classification and Testing Centre of Dangerous  
Chemicals for State Work Safety



Shanghai Tongrui Biotech Co., Ltd.

# MATERIAL SAFETY DATA SHEET

## Amino Acid Fertilizer

### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Amino Acid Fertilizer  
**Company:** Shanghai Tongrui Biotech Co., Ltd.  
**Address:** No. 3528, Nanfeng Road, Fengxian District, Shanghai, 201414, P. R. China  
**E-mail:** marketing@tong-rui.com  
**Fax:** 86-21-55399825  
**Emergency Phone:** 86-21-57561309  
**MSDS Number:** 08-507  
**MSDS Date:** Dec. 9, 2008

### SECTION2 INFORMATION ON INGREDIENTS

**Product name:** Amino Acid Fertilizer

Ingredient	Concentration	CAS No.
Amino Acid	~10%	/
Nitrogen, Phosphorus, Potassium (naturally fermented, add urea and potassium nitrate)	~10%	/
Water Insolution Matter	~5%	/
Water	~75%	7732-18-5

### SECTION 3 HAZARDS IDENTIFICATION

**Hazards Identification:** This substance is considered to be non-hazardous for transport.  
**Emergency Overview: Caution:** Avoid inhalation and direct contact with skin and eyes.

### SECTION4 FIRST-AID MEASURES

**Skin Exposure:** In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

**Inhalation Exposure:** If inhaled, remove to fresh air. If necessary, get medical attention.

**Oral Exposure:** If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

### SECTION5 FIRE FIGHTING MEASURES

**Extinguishing Media:**

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate foam.

**Firefighting:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION6 ACCIDENTAL RELEASE MEASURES

### Procedures of Personal Precautions:

Exercise appropriate precautions to minimize direct contact with skin and eyes.

### Methods for cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

## SECTION7 HANDLING AND STORAGE

### Handling:

Wear appropriate protective clothing and gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidants and food. No smoking at working site.

### Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidants and food.

## SECTION8 EXPOSURE CONTROL/PPE

**Engineering Controls:** Use ventilation equipment if available. Safety shower and eye bath.

### Personal Protective Equipment:

**Respiratory:** Government approved respirator if needed.

**Eye:** Wear chemical safety goggles if needed.

**Clothing:** Wear appropriate protective clothing.

**Hand:** Wear compatible protective gloves.

**Other Protect:** No smoking, drinking and eating at working site. Wash thoroughly after handling.

## SECTION9 PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellow-green liquid
<b>Odor:</b>	Weak odor
<b>Flash Point:</b>	>100°C (closed cup)
<b>pH Value:</b>	4~5
<b>Solubility:</b>	Miscible in water

## SECTION10 STABILITY AND REACTIVITY

**Stability:** Stable under normal temperatures and pressures.

**Materials to Avoid:** Strong oxidants and foods.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Nitrogen oxides, Ammonia, Phosphorus oxides, Phosphine, Metal oxides.

## SECTION11 TOXICOLOGICAL INFORMATION

**Toxicity Data:** No data available.

**Irritation Data:** May cause irritation to eyes, respiratory system and skin.

**SECTION12 ECOLOGICAL INFORMATION**

No data available.

**SECTION13 DISPOSAL CONSIDERATIONS****Appropriate Method of Disposal of substance:**

Spent of discarded material is not belong to hazardous waste. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**SECTION14 TRANSPORT INFORMATION****DOT**

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**ADR/RID Class:** None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

**IMO**

Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

**UN Number:** None

**SECTION15 REGULATORY INFORMATION****EU Additional Classification:**

S 36/37

Safety Statements: Wear suitable clothing and gloves.

**SECTION16 OTHER INFORMATION**

**Date:** Dec. 9, 2008

**Department:** Shanghai Research Institute of Chemical Industry Testing Center  
Shanghai Classification and Testing Centre of Dangerous Chemical for State Work Safety  
Tel(Fax): 8621-52815377/52800971/52807275/52811034

**Revision:** 0

**Other Information**

The MSDS is prepared in accordance with ISO 11014-1:1994.

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