



## XINJIANG MEIHUA AMINO ACID CO., LTD.

Add: No.1289 Beier West Street, Industrial Area, Wujiaqu City, Xinjiang, China, 831300

Tel: 0994-68000000-6062 Fax: 0994-6809001

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# Material Safety Date Sheet

Company: XINJIANG MEIHUA AMINO ACID CO., LTD.

Address: NO.1289 BEIER WEST STREET, INDUSTRIAL AREA, WUJIAQU CITY, XINJIANG, CHINA, 831300

Tel: 86-316-2359999 Fax: 86-316-2359678

### SECTION 1 - IDENTITY

Common Name : Monosodium glutamate, MSG

CAS NO.: 6106-04-3

### SECTION 2 - CHEMICAL NAME

Chemical Name : Glutamic acid, monosodium salt

Chemical Family :  $\alpha$ -Aminoglutaric acid

Formula :  $\text{HOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COONa}\cdot\text{H}_2\text{O}$

### SECTION 3 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) : Does not apply

Percentage % : Does not apply

Threshold Limit Value (units) : Does not apply

### SECTION 4 - PHYSICAL CHARACTERISTICS

Boiling Point : Does not apply

Melting Point : 195°C

Specific Gravity (H<sub>2</sub>O=1) : 1.635

Vapor Pressure (mm Hg) : Unavailable

Percent Volatile by Volume (%) : Unavailable

Vapor Density (Air=1) : Unavailable

Evaporation Rate ( \_\_\_\_\_ =1) : Unavailable

### SECTION 5 - SOLUBILITY



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Solubility in Water: 74.0 grams per 100 ml water at 25oC; . 112.0 grams per 100 ml water at 60oC; . 40% solution at room temperature; . 10% solution of MSG should be transparent, colorless and the PH value should be between 6.7-7.2.

Reactivity in Water : Not reactive

### SECTION 6 – CHEMICAL CHARACTERISTICS

Appearance and Odor: White, practically odorless, free-flowing crystalline. Complies with the specification of Food Chemicals Codex (FCC grade).

Flash Point : Does not apply

Flammable Limit in Air % by Volume

. Lower : Does not apply

. Upper : Does not apply

### SECTION 7 – FIRE AND EXPLOSION DATA

Extinguisher Media : Water, Carbon dioxide CO2

Auto-Ignition Temperature : Does not apply

Special Fire Fighting Procedures : No special procedure is required

Unusual Fire and Explosion Hazards : Nothing

### SECTION 8 - STABILITY

Stability

. \_ Unstable / X Stable: Stable

Conditions to avoid : Keep away from moisture, heat and sun ray

Incompatibility(Material to Avoid) : Moisture

### SECTION 9 – PHYSICAL HAZARDS

Hazardous Decomposition Products : Nothing

Hazardous Polymerization

. \_ May Occur / X Will Not Occur : Will not occur

. Conditions to Avoid : Nothing

Appearance: Crystal



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### SECTION 10 - HEALTH HAZARDS

Threshold Limit Value :

(Of Human Intake) fâ Signs & Symptoms of Exposure 120mg/Kg of body weight/day

1. Acute Overexposure : Might cause little eye irritation

2. Chronic Overexposure : Unavailable

Medical Conditions Generally Aggravated by Exposure: Unavailable

Chemical Listed as Careinogen or Potential Careinogen

.National Toxicology Program :  Yes,  No

. I.A.R.C. Monographs :  Yes,  No

. OSHA :  Yes,  No

### SECTION 11 – SANITARY HAZARDS

OSHA Permissible Exposure Limit : Unknown

ACGIH Threshold Limit Value : Unknown

Other Exposure Limit Used : Unknown

### SECTION 12 – BODY HAZARDS

Emergency and First Aid Procedures

1. Inhalation : Nothing hazardous. Remove to fresh air.

2. Eyes : Immediately flush eyes with water.

3. Skin : Wash skin with water.

4. Ingestion : Nothing.

### SECTION 13 - SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type) : Not needed. But a mask is recommended if in close space.

Ventilation

. Local Exhaust : Required

. Mechanical(General) : No

. Special : No



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. Other : No

### SECTION 14 – BODY PROTECTION INFORMATION

Protective Glove : Not needed

Eye Protection : Eye glasses is recommended.

Other Protective

Clothing or Equipment : Nothing

There is no limited in IMDG about this product. Belong to normal chemical, non-danger, suit to ocean transportation.

IMO not regulated as a hazardous material.

### SECTION 15 - SPECIAL PRECAUTIONS

#### AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: No special precaution are necessary in its handling. Stored in a dry place and keep away from moisture, heat and sun ray.

### SECTION 16 – OTHER PRECAUTIONS

Other Precautions: Shelf life of at least 2 years. 4 years when kept under dry and good conditions.

Steps to be taken in case Material is Released or Spilled: Glutamic acid, monosodium salt

Chemical Family : Clean up by vacuum-cleaner and wash by water.

Waste Disposal Methods: Wash away by water.

