

MATERIAL SAFETY DATA SHEET

MONOSODIUM GLUTAMATE

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name : Monosodium glutamate
Synonyms : L – Sodium glutamate, Sodium hydrogen glutamate
Company Identification : Tradeasia International Pte Limited
Address : 133 Cecil Street , # 12-03 Keck Seng Tower,
Singapore 069535, Republic of Singapore.
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2 COMPOSITION AND INFORMATION ON INGREDIENTS

CAS#	Chemical Name	% by Weight
142-47-2	Monosodium glutamate	99

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements:

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: None

4 FIRST AID MEASURES

Eye Contact:

Rinse eyes with plenty of water

Skin Contact:

Wash with soap and water.

Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration.

Ingestion:

Never give anything by mouth to an unconscious person. Wash mouth with water.

Most important symptoms and effects, both acute and delayed: Toxicogocal properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed:

No data available

5 FIRE AND EXPLOSION DATA

Flammability of the Product	: Non-flammable.
Auto-Ignition Temperature	: Not applicable.
Flash Points	: Not applicable.
Flammable Limits	: Not applicable.
Products of Combustion	: Not available.
Fire Hazards in Presence of Various Substances	: Not applicable.
Fire Fighting Media and Instructions	: Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:

Do not let the product enter into drains. Sweep and shovel. Keep in suitable closed container for disposal.

7 HANDLING AND STORAGE

Precautions:

Provide appropriate exhaust ventilation at places where dust is formed

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalis, reducing agents and combustibles

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: General industrial hygiene practices.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: White crystalline solid

Odor: Not available.

Taste: Umami.

Molecular Weight: 169.11 g/mole

Color: White.

pH (1% soln/water): 6.7 to 7.2

Boiling Point: Decomposition temperature: Not available

Melting Point: 232°C

Critical Temperature: Not available.

Specific Gravity: 1.637 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Water solubility: 74.0 g/ 100 ml of water at 25 °C.

10 STABILITY AND REACTIVITY DATA

Stability	: The product is stable.
Instability Temperature	: Not available.
Conditions of Instability	: Incompatible materials.
Incompatibility with various substances	: Oxidising agents
Dangerous products of decomposition	: Carbon monoxide and Carbon dioxide

11 TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.

Acute Toxicity: Primary Irritant effect.

Chronic Effects on Humans:

MUTAGENIC EFFECTS: Mutagenic effects have been observed on tests with bacteria.

Additional toxicological information:

Other than potential irritation, no information on illness from acute or chronic exposure is available for this product.

No classification data on carcinogenic properties of this product is available from the EPA, IARC, NTP, OSHA or ACGIH.

Special Remarks on Toxicity to Animals: Not available.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal:

Disposal of spilled material should be in accordance with applicable local, state and national environmental regulatory requirements.

14 TRANSPORT INFORMATION

DOT Classification: None

Hazard class: None

Land transport ADR/IRD class: None

Maritime Transport IMDG class: None

Air Transport ICAO/IATA class: None

15 OTHER REGULATORY INFORMATION

Product Related Hazard Information:

Observe general safety regulations when handling chemicals.

Safety Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:

No data available

Chemical Safety Assessment: No data available

NFPA 704

Health Hazard: 0

Fire Hazard: 0

Reactivity: 0

16 OTHER INFORMATION

References : Not available.

Other Special Considerations : Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users

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