

1. IDENTIFICATION

Product Identifier

Chemical Name & Synonyms:

MONOSODIUM L-GLUTAMATE MONOHYDRATE
 MONOSODIUM GLUTAMATE; SODIUM GLUTAMATE

Trade Name & Synonyms:

MSG

Chemical family:

AMINO ACIDS

Formula:

C5H8NNaO4.H2O

IUB No.:

N/A

CAS No.:

6106-04-3

Recommended Restrictions:

Manufacture Name & Address

AJINOMOTO NORTH AMERICA, INC
 1 AJINOMOTO DRIVE, EDDYVILLE, IA 52553

Manufacturer's Telephone Number: 800-456-4666

Emergency's Telephone Number: 800-456-4666

2. HAZARD(S) IDENTIFICATION

Physical Hazard:

Health Hazard

NONE

OSHA defined hazard

NONE

Label elements

Signal word:

NONE

Hazard statement:

NONE

Precautionary Statement

NONE

3. COMPOSITION INFORMATION ON INGREDIENTS

Principal Components

MONOSODIUM L-GLUTAMATE
 MONOHYDRATE

CAS NUMBER

6106-04-3

Percent

>99%

4. FIRST AID MEASURES

Inhalation :

EVACUATE THE AREA AND BREATHE FRESH AIR. IF SYMPTOMS OF SENSITIZATION OCCUR, SEEK MEDICAL HELP

Eye contact:

WASH WITH LARGE AMOUNT OF WATER & SEEK MEDICAL HELP IF NEEDED

Skin:

NO SPECIAL CARE. WASH EXPOSED AREA

Ingestion:

NO SPECIAL CARE. SEEK MEDICAL HELP IF NEEDED

Most important symptoms/effects, acute and delayed:

GENERALLY REGARDED AS SAFE

Indication of immediate medical attention and special treatment needed

IN CASE OF INDISPOSITION SEEK MEDICAL ADVICE

General information

NON-TOXIC SUBSTANCE

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

FOAM, WATER OR CO2 MAY BE USED

Unsuitable extinguishing media

NONE

Specific hazard arising from chemical

NONE KNOWN

Special protective equipment and precautions for fire fighters

NONE

Fire fighting equipment/ instructions

NEGLIGABLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME

6. ACCIDENTAL RELEASE MEASURES

USE ORDINARY CLEAN-UP METHODS. NO HAZARDOUS RESULTS FROM SPILLAGE

7. HANDLING AND STORAGE

Personal precautions

AVOID EYE CONTACT

Protective equipment

SAFETY GLASSES & DUST MASK AND APPROPRIATE CLOTHING IF NECESSARY

Emergency procedure
Methods and materials for containment and clean up:
Storage:

ORDINARY CLEAN-UP PROCEDURES
CLEANING SHOULD BE ARRANGED BEFORE WORK IS COMMENCED
STORE IN COOL DRY PLACE WITH LOW HUMIDITY

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Exposure limits	NOT AVAILABLE
US ACGIH Threshold Limit Value(TLV)	NOT AVAILABLE
Appropriate engineering controls	LOCAL EXHAUST RECOMMENDED
Individual protection measures, such as personal protective equipment	
Eye/face protection	IF HIGH AMOUNTS OF DUST GENERATED, WEAR APPROVED SAFETY GLASSES
Skin protection	APPROPRIATE CLOTHING
Hand protection	GLOVES IF NEEDED
Other	
Respiratory protection	IF HIGH AMOUNTS OF DUST, USE DUST MASK, OR PARTICULATE RESPIRATOR
Thermal Hazard	NA
General hygiene considerations	WASH HANDS, FOREARMS, AND FACE THOROUGHLY AFTER HANDLING PRODUCTS

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:		Explosive limit-lower (%): N/A
Physical		Explosive limit-upper (%): N/A
State	POWDER	Vapor pressure (mmHg): 28.1 AT 25F
Color	WHITE OR SLIGHT WHITE	Vapor density (Air=1): N/A
Odor	ODORLESS	Relative density: NA
Odor threshold	N/A	Solubility
pH	N/A	Solubility (water): 17g/100g water at 25C
Melting point/Freezing point	MELTING POINT 450°F (232°C)	partitioncoefficient (n-octanol/water) : NOT AVAILABLE
Initial boiling point and boiling point range	SOLID	Auto-ignition temperature: NA
Flash point	NOT AVAILABLE	Decomposition temperature: NA
Evaporation rate	N/A	Viscosity: NA
Flammability (solid, gas)	NOT FLAMMABLE	Other information
Upper/lower flammability or explosive limits		Bulk density:
Flammability limit-lower (%)	NOT FLAMMABLE	Molecular formula : NA
Flammability limit-upper (%)	NOT FLAMMABLE	Molecular weight : 187.13
		pH in aqueous solution: 6.7-7.2

10. STABILITY AND REACTIVITY

Reactivity	DECOMPOSES AT TEMPERATURES ABOVE 375F
Chemical stability	STABLE
Possibility of hazardous reactions	NONE
Condition to avoid (static discharge, shock or vibration)	STORAGE UNDER HIGH HEAT OR DIRECT SUNLIGHT
Incompatible materials	NONE REPORTED
Hazardous decomposition products	NONE

11. TOXICOLOGICAL INFORMATION

Information on likely route of exposure	
Inhalation	LIKELY
Skin contact	LIKELY
Eye contact	LIKELY
Ingestion	LIKELY
Symptoms related to the physical, chemical and toxicological characteristics	
Information on toxicological effects	
Acute toxicity	GENERALLY RECOGNIZED AS SAFE
Skin corrosion/irritation	NONE
Serious eye damage/eye irritation	MAY BE IRRITATING TO EYES ON PROLONGED EXPOSURE

Respiratory or skin sensitization

Respiratory sensitization

NOT AVAILABLE

Skin sensitization

NOT AVAILABLE

Germ cell mutagenicity

GENERALLY RECOGNIZED AS SAFE

Carcinogenicity

GENERALLY RECOGNIZED AS SAFE

IARC Monograph

NOT LISTED

OSHA specifically regulated products

NOT OSHA REGULATED PRODUCT

Reproductive toxicity

Specific target organ toxicity single exposure

Specific target organ toxicity reported exposure

Aspiration hazard

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability

BIODEGRADABLE

Mobility in soil:

NO DATA

Other adverse effects

NO DATA

ACCORDING TO PRESENT KNOWLEDGE, NO UNFAVORABLE ECOLOGICAL EFFECTS ARE EXPECTED.

13. DISPOSAL CONSIDERATIONS

SWEEP UP AND PLACE IN SUITABLE CLEAN DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH INTO SEWER.

14. TRANSPORT INFORMATION

THIS PREPARATION IS NOT A DANGEROUS GOOD. WITHIN A MEANING OF TRANSPORTATION REGULATION.

15. REGULATORY INFORMATION

REGULATED AS FLAVOR ENHANCER

16. OTHER INFORMATION

The format in this Safety Data Sheet may be comply with OSHA's Hazard Communication Standard 29 CFR 1910.1000.

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