

SAFETY DATA SHEET

AJITIDE® I+G
Disodium 5'-Ribonucleotide

AJINOMOTO CO., (THAILAND) LTD.
487/1 Si Ayutthaya Road,
Khwaeng Thanon Phayathai,
Khet Ratchathewi, Bangkok 10400, Thailand
Tel.: 66 (2) 247-7000; Fax: 66 (2) 247-5617

1. IDENTIFICATION OF THE HAZARDOUS SUBSTANCE

Product Name: AJITIDE® I+G
Trade Name: AJITIDE® I+G
Synonyms: Disodium 5'-Inosinate and Disodium 5'-Guanylate
Chemical Name: Disodium 5'-Ribonucleotide (Mixed Disodium 5'-Inosinate + Disodium 5'-Guanylate)
Chemical Formula: C₁₀H₁₁Na₂N₄O₈P·xH₂O + C₁₀H₁₂Na₂N₅O₈P·xH₂O
CAS Number: Disodium 5'-Inosinate [CAS No. 4691-65-0] and Disodium 5'-Guanylate [CAS No. 5550-12-9]

2. HAZARDS IDENTIFICATION

Potential Acute Health Effects: Based on available information, not classified as hazardous according for transport by Road and Rail; NON-DANGEROUS GOODS
Potential Chronic Health Effects: None allocated

3. INFORMATION ON INGREDIENTS

AJITIDE® I+G is a mixed 50±3% Disodium 5' Inosinate and 50±3% Disodium 5'-Guanylate

4. FIRST AID MEASURES

Eye contact: If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical.
Skin contact: Not applicable
Inhalation: Not applicable
Ingestion: Not applicable
Medical attention and special treatment: Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability of the product: Non-combustible material
Auto-ignition temperature: Not available.
Flash points: Not available.
Flammable limits: Not available.
Protection against fire and explosion: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
Suitable fire extinguisher media: Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions.
Special explosion hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.
Methods for cleaning up: Slippery when spilt. Avoid accidents, clean up immediately. Sweep with a broom or use a vacuum cleaner, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

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Handling:	Avoid eye contact and breathing in dust. Avoid handling which leads to dust formation.
Storage:	Store in a cool, dry, well ventilated place and out of direct sunlight. Protect from moisture. Keep containers closed when not in use - check regularly for spills.
Requirement for packing:	Complete sealed packing without dirty

8. PERSONAL PROTECTION

Personal protection: The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical status at 25°C:	Crystalline powder
Color:	Colorless or White
Odor:	Odourless
Taste:	Characteristic taste.
Molecular Weight:	392.17 + 407.19 (anhydrous) g/mole
Melting point (°C):	Not available.
Solubility in water:	70g/100g H ₂ O at 70 °C
Solubility in alcohol:	Sparingly soluble in ethanol; Practically insoluble in ether
pH of aqueous solution: (at 1 in 50 soln)	Between 7.0 - 8.5
Vapour pressure:	Not volatile at ordinary temperature

10. STABILITY AND REACTIVITY

This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to avoid:	Avoid dust generation. Avoid exposure to moisture.
Thermal decomposition:	None.
Hazardous reactions:	None.
Hazardous decomposition products:	None.

11. TOXICOLOGICAL INFORMATION

Categorized as "ADI (Acceptable Daily Intake) not specified" in the following authorities:

- Joint FAO/WHO Expert Committee on Food Additives, 41st meeting, Geneva, 9-18 February 1993
- Commission of the European Communities, Scientific Committee for Food (Twenty-fifth series)

12. ECOLOGICAL INFORMATION

Not alleged to be toxic	
Persistence and degradation:	Biodegradable
Potential for bio-accumulation:	None

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13. DISPOSAL CONSIDERATIONS

Waste disposal: Normally suitable for disposal at approved land waste site.

14. TRANSPORTATION INFORMATION

UN number: Not applicable
Sea: Not classified as Dangerous Goods for transport by Sea; NON-DANGEROUS GOODS.
Road/rail: Not classified as Dangerous Goods for transport by Road and Rail; NON-DANGEROUS GOODS.
Air: Not classified as Dangerous Goods for transport by Air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

General remarks: Laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No1333/2008 of the European Parliament of the Council.

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, the accuracy or completeness of this information and any of recommendation or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Specification.

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This safety data sheet was written for and should be used for that product only. Should this product be used as a constituent of an other product, the above information does not apply.