

1. IDENTIFICATION

Product Identifier		Manufacture Name & Address
Chemical Name & Synonyms:	ALPHA-L-ASPARTYL-L-PHENYLALANINE METHYL ESTER	AJINOMOTO CO., INC.
Trade Name & Synonyms:	AJINOMOTO ASPARTAME	15-1, 1-CHOME, KYOBASHI, CHUO-KU, TOKYO 101-8315, JAPAN
Chemical family:	SWEETENER	Manufacturer's Telephone Number: +81 3 5250-8146
Formula:	C14H18N2O5	Emergency's Telephone Number: 800-456-4666
CAS No.:	22839-47-0	

2. HAZARD(S) IDENTIFICATION

Physical Hazard:	NONE
Health Hazard	NONE
OSHA defined hazard	NONE
Label elements	
Signal word:	WARNING
Hazard statement:	MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. STORE IN A WELL VENTILATED PLACE. USE APPROPRIATE MEASURES TO MINIMIZE EXPLOSION POTENTIAL .
Precautionary Statement	

3. COMPOSITION INFORMATION ON INGREDIENTS

Principal Components	Percent
ALPHA-L-ASPARTYL-L-PHENYLALANINE METHYL ESTER	98-100

4. FIRST AID MEASURES

Inhalation :	EVACUATE THE AREA AND BREATHE FRESH AIR. IF SYMPTOMS OF SENSITIZATION OCCURS, SEEK MEDICAL ADVICE.
Eye contact:	IN CASE OF EYE CONTACT, WASH WITH LARGE AMOUNT OF WATER AND SEEK MEDICAL ADVICE.
Skin:	IN CASE OF SKIN CONTACT, WASH OFF WITH WATER .
Ingestion:	IN CASE OF INGESTION, DRINK PLENTY OF WATER. DO NOT INDUCE VOMITING
Most important symptoms/effects, acute and delayed	NONE
Indication of immediate medical attention and special treatment needed	NONE
General information	NONE

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	DRY CHEMICAL, HALON, WATER SPRAY, FOAM
Unsuitable extinguishing media	NONE
Specific hazard arising from chemical	NONE
Special protective equipment and precautions for fire fighters	NONE
Fire fighting equipment/ instructions	NONE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	AVOID EYE AND SKIN CONTACT, ENHALATION AND INGESTION
Protective equipment	USE RUBBER GLOVES, SAFETY GOOGLES AND DUST MASK
Emergency procedure	ORDINARY CLEANUP PROCEDURES
Methods and materials for containment and clean up	VACUUM OR SWEEP IN SUITABLE CLEAN DRY CONTAINER FOR RECALAMTION

7. HANDLING AND STORAGE

Precaution for safe handling:	MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR; DUST CLASS ST2.
Conditions for safe storage, including any incompatibilities	KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. STORE IN A WELL VENTILATED PLACE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Exposure limits	NOT AVAILABLE
US ACGIH Threshold Limit Value(TLV)	NOT AVAILABLE
Appropriate engineering controls	NOT AVAILABLE
Individual protection measures, such as personal protective equipment	
Eye/face protection	WEAR APPROPRIATE SAFETY GOOGLES
Skin protection	IRRITATION POTENTIAL, WEAR APPROPRIATE CLOTHING
Hand protection	IRRITATION POTENTIAL, WEAR APPROPRIATE GLOVES
Other	NOT AVAILABLE
Respiratory protection	WEAR APPROPRIATE DUST MASK- N95 OR N99 PARTICULATE RESPIRATOR
Thermal Hazard	NOT APPLICABLE
General hygiene considerations	WASH HANDS, FOREARMS OR FACE AFTER HANDLING PRODUCT

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CRYSTALLINE POWDER	Explosive limit-lower (%): NOT APPLICABLE
Physical		Explosive limit-upper (%): NOT APPLICABLE
State	POWDER	Vapor pressure: NOT APPLICABLE
Color	WHITE	Vapor density: NOT APPLICABLE
Odor	ODORLESS	Relative density: NOT AVAILABLE
Odor threshold	NOT APPLICABLE	Solubility
pH	4.5-6.0	Solubility (water): CA. 0.9G/100G WATER AT 70C
Melting point/Freezing point	246-247°C	partition coefficient (n-octanol/water) : NOT AVAILABLE
Initial boiling point and boiling point	NOT APPLICABLE	Auto-ignition temperature: NOT AVAILABLE
Flash point	NOT AVAILABLE	MINIMUM EXPLOSION CONC. FOR DUST (POWDER)= 40G/M ³
Evaporation rate	NOT APPLICABLE	Maximum Explosion Pressure : 7.1 Bar
Flammability (solid, gas)	NOT APPLICABLE	Kst: 207 bar.m/s
Upper/lower flammability or explosive limits		Minimum spark ignition energy 3mJ - 10mJ
Flammability limit-lower (%)	NOT APPLICABLE	Decomposition temperature: NOT APPLICABLE
Flammability limit-upper (%)	NOT APPLICABLE	Viscosity: NOT APPLICABLE
		Other information
		Bulk density: NOT AVAILABLE
		Molecular formula : C ₁₄ H ₁₈ N ₂ O ₅
		Molecular weight: 294.31
		pH in aqueous solution: 4.5-6.0

10. STABILITY AND REACTIVITY

Reactivity	
Chemical stability	STABLE
Possibility of hazardous reactions	NOT LIKELY TO OCCUR
Condition to avoid (static discharge, shock or vibration)	AVOID STATIC DISCHARGE
Incompatible materials	NOT AVAILABLE
Hazardous decomposition products	NONE

11. TOXICOLOGICAL INFORMATION

Information on likely route of exposure	
Inhalation	LIKELY ROUTE
Skin contact	LIKELY ROUTE
Eye contact	LIKELY ROUTE
Ingestion	LIKELY ROUTE
Symptoms related to the physical, chemical and toxicological characteristics	NOT AVAILABLE
Information on toxicological effects	NOT AVAILABLE
Acute toxicity	GENERALLY REGARDED AS SAFE INGREDIENTS
Skin corrosion/irritation	GROSS EXPOSURE MAY CAUSE SKIN IRRITATION
Serious eye damage/eye irritation	GROSS EXPOSURE MAY CAUSE EYE IRRITATION

Respiratory or skin sensitization	
Respiratory sensitization	NONE
Skin sensitization	GROSS EXPOSURE MAY CAUSE SKIN IRRITATION
Germ cell mutagenicity	NON MUTAGENIC
Carcinogenicity	NON CARCINOGENIC
IARC Monograph	NOT ON IARC MONOGRAPH
OSHA specifically regulated products	NOT OSHA REGULATED PRODUCT
Reproductive toxicity	NOT REPRODUCTIVE TOXICANT
Specific target organ toxicity single exposure	FDA APPROVED FOOD ADDITIVE
Specific target organ toxicity reported exposure	FDA APPROVED FOOD ADDITIVE
Aspiration hazard	NOT AVAILABLE

12. ECOLOGICAL INFORMATION

Ecotoxicity:	NOT AVAILABLE
Persistence and degradability	BIODEGRADEABLE
Bioaccumulative potential	BIODEGRADEABLE
Partition coefficient n-octanol/ water (log Kow)	NOT AVAILABLE
Mobility in soil:	NOT AVAILABLE
Other adverse effects	NOT AVAILABLE

13. DISPOSAL CONSIDERATIONS

Disposal instructions	DISPOSE OF IN ACCORDANCE WITH CURRENT LOCAL AUTHORITY REGULATIONS.
Local disposal regulations	DISPOSE OF IN ACCORDANCE WITH CURRENT LOCAL AUTHORITY REGULATIONS.
Hazardous waste code	NONE
Waste from residues/ unused product	DISPOSE OF IN ACCORDANCE WITH CURRENT LOCAL AUTHORITY REGULATIONS.
Contaminated packaging	DISPOSE OF IN ACCORDANCE WITH CURRENT LOCAL AUTHORITY REGULATIONS.

14. TRANSPORT INFORMATION

DOT	NOT APPLICABLE
IATA	NOT APPLICABLE
IMDG	NOT APPLICABLE
THIS PREPARATION IS NOT A DANGEROUS GOOD WITHIN A MEANING OF TRANSPORTATION REGULATION.	

15. REGULATORY INFORMATION

FDA APPROVED FOOD INGREDIENT

16. OTHER INFORMATION

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

The information presented in good faith and believed to be correct as of the date hereof. Ajinomoto North America, Inc. (AJINA)
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