

## 1. IDENTIFICATION

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

## 2. HAZARD(S) IDENTIFICATION

<b>Physical Hazard:</b>	NONE
<b>Health Hazard</b>	NONE
<b>OSHA defined hazard</b>	NONE
<b>Label elements</b>	
<b>Signal word:</b>	WARNING
<b>Hazard statement:</b>	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 .
<b>Precautionary Statement</b>	

## 3. COMPOSITION INFORMATION ON INGREDIENTS

<b>Principal Components</b>	<b>Percent</b>
ALPHA-L-ASPARTYL-L-PHENYLALANINE METHYL ESTER	98-100

## 4. FIRST AID MEASURES

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

## 5. FIRE FIGHTING MEASURES

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

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Precaution for safe handling:</b>	MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR; DUST CLASS ST2.
<b>Conditions for safe storage, including any incompatibilities</b>	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 <sup>3</sup>
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 <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>
		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

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

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

<b>DOT</b>	NOT APPLICABLE
<b>IATA</b>	NOT APPLICABLE
<b>IMDG</b>	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

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

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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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