

# SAFETY DATA SHEET

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## ASPARTAME

### SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

<b>1.1 Product identifier:</b>	
<b>CAS Number:</b>	22839-47-0
<b>EC number:</b>	245-261-3
<b>1.2 SYNONYMS:</b>	<ul style="list-style-type: none"><li>• NutraSweet</li><li>• Equal</li><li>• Canderel</li><li>• AminoSweet</li><li>• Aspartyl-phenylalanine methyl ester</li><li>• Aspartame sweetener</li></ul>

### SECTION 2: Hazards identification:

<b>2.1 Classification of the substance or mixture:</b>	Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation.
<b>2.2 Label elements:</b>	Labelling according to Regulation (EC) No 1272/2008 None
<b>Hazard Pictograms:</b>	None
<b>Signal Word:</b>	None
<b>Hazard statements:</b>	None
<b>Precautionary Statements:</b>	None
<b>2.3 Other hazards:</b>	
<b>Inhalation:</b>	Not classified
<b>Ingestion:</b>	individuals with phenylketonuria (PKU) should avoid it due to their inability to metabolize phenylalanine, a component of aspartame..
<b>Skin Contact:</b>	Not classified.

<b>Eye contact:</b>	Not classified.
<b>Chronic Exposure:</b>	Not classified
<b>Aggravation of pre-existing conditions:</b>	may aggravate pre-existing conditions in people with phenylketonuria (PKU)

### SECTION 3: Composition/information on ingredients

<b>3.1 Chemical characterisation:</b>	Substances
<b>CAS No:</b>	Description: 22839-47-0 ASPARTAME
<b>Identification number(s):</b>	EC number: 245-261-3

### SECTION 4: First aid measures

<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	
<b>After inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>After skin contact:</b>	Remove contaminated clothing. Wash with soap and water. Consult a physician.
<b>After eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
<b>After swallowing:</b>	Rinse mouth with water. Immediately after ingestion. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	The most important symptoms and effects are headaches and gastrointestinal discomfort in sensitive individuals, and for those

	with phenylketonuria (PKU), acute brain damage and intellectual disability due to the buildup of phenylalanine in the blood.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

<b>5.1 Extinguishing media:</b>	Carbon dioxide. Water spray. Alcohol-resistant foam.
<b>5.2 Special hazards arising from the substance or mixture:</b>	No data available.
<b>5.3 Advice for firefighters:</b>	Wear fully protective suit, safety glasses and respiratory device. Cool tanks/drums with water spray/remove them into safety.
<b>5.4 further information:</b>	no data available

## SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Avoid dust accumulation. Seek medical attention.
<b>6.2 Environmental precautions:</b>	Do not enter this chemical into drains.
<b>6.3 Methods and material for containment and cleaning up:</b>	Take up spill into absorbent material, e.g.: sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Spill must not

	<p>return in its original container.</p> <p>Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.</p>
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## SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling:</b>	<p>For use in are with adequate ventilation.</p> <p>Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material</p> <p>Do not use in confined spaces.</p> <p>Electrostatic discharge protection.</p> <p>Minimize dust generation and accumulation.</p> <p>Avoid ingestion and inhalation.</p>
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	<p>Store in original containers.</p> <p>Keep containers securely sealed</p> <p>Store in a cool, dry, well-ventilated area.</p> <p>Store away from incompatible materials and foodstuff containers.</p> <p>Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area.</p>
<b>Requirements to be met by storerooms and receptacles:</b>	<p>Keep container tightly closed in a dry and well-ventilated place.</p> <p>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</p>
<b>7.3 Specific end uses:</b>	no data available

## SECTION 8: Exposure controls/personal protection

<b>8.1 Control parameters</b>	
<b>Additional information about design of technical facilities:</b>	A system of local and general exhaust is recommended.
<b>8.2 Exposure controls</b>	

<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal protective equipment:</b>	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
<b>General protective and hygienic measures:</b>	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	<b>Respiratory protection:</b> Required.
<b>Protection of hands:</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	<b>Eye protection:</b> Required
<b>Protection of Body:</b>	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.

## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b>	
<b>General Information</b>	
<b>Appearance: Form:</b>	Crystalline powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>pH-value:</b>	5
<b>Melting point/Melting range:</b>	295°C
<b>Boiling point/Boiling range:</b>	No data available
<b>Flammability (solid, gaseous):</b>	Flammable In powder form.
<b>Ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	250°C

<b>Self-igniting:</b>	None
<b>Flash point:</b>	No data available
<b>Danger of explosion:</b>	Not applicable
<b>Explosion limits: Lower:</b>	No data available
<b>Explosion limits: Upper:</b>	No data available
<b>Vapour pressure:</b>	No
<b>Density at 20 °C:</b>	1.35 g/cm <sup>3</sup>
<b>Relative density:</b>	1.35
<b>Vapour density:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Solubility in / Miscibility with- water at 20 °C:</b>	Highly soluble
<b>Partition coefficient:(n- octanol/water)</b>	-1.74
<b>Viscosity:</b>	Not applicable

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No reaction under storage conditions.
<b>10.2 Chemical stability</b>	This chemical is stable under storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Can degrade when exposed to high temperatures.
<b>10.4 Conditions to avoid</b>	High temperatures, Extremely acidic or basic environments, Excessive moisture.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents, Strong acids.
<b>10.6 Hazardous decomposition products</b>	Methanol, Formaldehyde, Phenylalanine, Amino acids and other breakdown products.

## SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute Toxicity:</b>	<b>LD50</b> (Oral, Rat): no data available <b>LD50</b> (Dermal, Rabbit): no data available <b>LC50</b> (Inhalation Rat): no data available
<b>Skin corrosion/Irritation:</b>	No data available
<b>Serious eye damage/irritation:</b>	No data available
<b>Respiratory damage/irritation:</b>	No data available
<b>Ingestion:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity - single exposure:</b>	No data available
<b>Specific target organ toxicity - repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available
<b>Signs and Symptoms of Exposure:</b>	Refer section 2.3
<b>11.2 Additional toxicological information</b>	
<b>Biodegradability:</b>	moderately biodegradable

## SECTION 12: Ecological information

<b>12.1 Toxicity</b> <b>Aquatic toxicity:</b>	LC50(fish): no data available EC50(daphnia): no data available EC50(algae): no data available
<b>12.2 Persistence and degradability:</b>	Moderately biodegradable.
<b>12.3 Bioaccumulative potential:</b>	not bioaccumulative
<b>12.4 Mobility in soil:</b>	Moderately mobility
<b>12.5 Other adverse effects:</b>	No data available

## SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	
<b>Uncleaned packaging Recommendation:</b>	dispose of in accordance with local hazardous waste regulations
<b>Recommended cleansing agents:</b>	Water, mild detergents, water-based solutions.

## SECTION 14: Transport information

<b>14.1 UN-Number · ADR, ADN, IMDG, IATA:</b>	Not applicable
<b>14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:</b>	Not applicable
<b>14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :</b>	Not applicable
<b>14.4 Packing group · ADR, IMDG, IATA:</b>	Not applicable
<b>14.5 Environmental hazards:</b>	Not applicable
<b>14.6 Special precautions for user:</b>	Handle responsibly.

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU</b>	Directive 2012/18/EU, under that this substance is not classified in listed substance
<b>Named dangerous substances:</b>	This substance is not listed in the annex 1 to the directive.
<b>15.2 Chemical safety assessment:</b>	Chemical assessment has not been carried out.

## SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information.

However, due to the diversity of information sources and limitations of our knowledge, this document is only for user's reference. Users should make



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