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MATERIAL SAFETY DATA SHEET

Section 1 Description

PRODUCT NAME **ASPARTIC ACID**

Supplier: LINDCHEM LTD
 27 - 30 NORTH RIVER ROAD
 GREAT YARMOUTH
 NORFOLK
 NR30 1SH

<u>Components</u>	<u>CAS Number</u>	<u>EINECS Number</u>
L-Aspartic Acid	56-84-8	209-291-6

Chemical formula	C ₄ H ₇ NO ₄
Chemical Name	2-aminobutanedioic acid
Synonym	aminosuccinic acid

Section 3 Possible Hazards

Precautionary Labelling: Health - 1 Slight
 Flammability - 1 Slight
 Reactivity - 0 None
 Contact - 1 Slight

During use avoid contact with eyes, skin and clothing
When not in use keep in tightly closed containers
Wash thoroughly after handling

Section 4 Emergency and First Aid Procedures

Eyes	Wash thoroughly with water
Skin	Wash thoroughly with soap and water
Inhalation	Remove to fresh air, seek medical advice
Ingestion	Remove to fresh air, seek medical advice

Section 5 Fire and Hazard Data

Special Fire Fighting Procedures	Water, dry extinguishing media, foam
Protective Equipment	Wear self-contained breathing equipment and protective suit
Hazards	Emits CO ₂ & NO ₂ in fire conditions

Section 6 Accidental Release Measures

Ensure product is picked up and disposed correctly
Dispose of in accordance with local regulations

Section 7 Precautions for Safe Handling and Use

Handling and Storage	Avoid high temperature, damp conditions and fire. Keep ventilated. Open container with care. Handle with care. Avoid dust formation
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Section 8 Control Methods

Ventilation	Required
Respiratory Protection	Required if ventilation inadequate
Gloves	Required
Protective Clothing	Required

Section 9 Physical and Chemical Properties (Typical)

Melting Point	191°C
Specific Gravity	1.65 (H ₂ O=1)

Section 10 Reactivity Data

Stability	Stable
Conditions to Avoid	Air, Fire, Strong Light
Decomposition Products	Carbon Monoxide, Carbon Dioxide
Hazardous Polymerisation	Will not occur

Section 11 Toxicological Information

Acute Toxicity	LD ₅₀ (IV-Mouse)	(MG/KG) - 518
Carcinogenicity	NTP: NO	
	IARC: NO	
	ZLIST: NO	

Section 12 Ecological Information

No Results available

Section 13 Disposal Considerations

Must be disposed of in accordance with local regulations
Contaminated packs should be emptied as far as possible; they can then be passed on for recycling after being thoroughly cleaned

Section 14 Transport Information

Not dangerous according to regulations of transport

Section 15 Regulatory Information

Health & Safety at work act 1974
COHSE Regulations (1994)
EH40 Occupational exposure limits

Section 16 Other Information

This advice is given by Lindchem Ltd., who accept no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

We confirm that the above is a true copy of the original manufacturers/suppliers Material Safety Data Sheet.