

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: L – Aspartic Acid

AR01011

Alpha Resources, Inc.
P.O. Box 199
Stevensville, MI 49127
Phone: 269-465-5559

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
56-84-8	100	L-Aspartic Acid	15 5 (resp)	10 3 (resp)

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: May cause irritation. May be harmful if absorbed through the skin.

INHALATION: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

INGESTION: May be harmful if swallowed.

CHRONIC OVEREXPOSURE: N/A

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: N/A.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention if irritation persists.

INHALATION: Removed from exposure to fresh air immediately. If breathing is difficult, contact a physician.

SKIN: Wash skin with plenty of soap and water.

INGESTION: Immediately give large amounts of water. Get medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Emits toxic fumes under fire conditions.

EXTINGUISHING MEDIA: Water Spray, Carbon dioxide, dry chemical powder, or appropriate foam. .

FIREFIGHTING INSTRUCTIONS: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

HANDLING: Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

STORAGE: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Safety shower and eye bath. Mechanical exhaust required. .

RESPIRATORY PROTECTION: Respiratory protection is not required. NIOSH/MSHA respirator if exposure is above the PEL limit.

SKIN AND HAND PROTECTION: Protective gloves.

EYE AND FACE PROTECTION: Safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: solid white powder

BOILING POINT: N/A

FREEZE-MELT POINT: 300 C

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Soluble.

SPECIFIC GRAVITY: 1.66 g/cm³

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Avoid Heat. Strong acids, strong bases, strong oxidizing agents, Nitric Acid.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity:

Intraperitoneal – Mouse: 6 gm/kg (LD50)

Irritation Data:

Skin – Rabbit: No irritation effect

Chronic Exposure – Mutagen:

Human: 10 mg/mL Cell Type: Lymphocyte Mutation Test: Sister Chromatid exchange

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state and local environmental regulations. .

14. TRANSPORTATION INFORMATION

USA DOT: Not regulated

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: Copper, 5000 lbs

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic

Section 313 Toxic Chemicals: Copper

CANADAIN REGULATIONS

WHMIS: Not regulated

16. OTHER INFORMATION

Hazard Index: (0-4, 4= Extreme)

Health: 1 Fire: 0 Reactivity: 0

SUPPLEMENTAL INFORMATION

For R&D use only. Not for drug, household or other uses.

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Date Prepared: January 11, 2013

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