



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. AA 435
Effective Date January 25, 1999

SECTION V HEALTH HAZARD DATA

AA 435

Threshold Limited Value

None established by ACGIH 1992-93.

Effects of Overexposure

INHALATION: May cause irritation. **SKIN:** Low hazard for usual laboratory handling. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard, but intentional chronic ingestion or excessive dosage may lead to gastrointestinal irritation. Prolonged or repeated exposure may cause irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If discomfort or illness develops, get medical attention.

SECTION VI REACTIVITY DATA

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| Stability | Unstable | | Conditions to Avoid | Excessive temperature and heat. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Strong oxidizers, acids, bases. |
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| Hazardous Decomposition Products | Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide and oxides of nitrogen. |
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| Hazardous Polymerization | Conditions to Avoid | | Not applicable. |
| | May Occur | Will Not Occur | |
| | | X | |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Recover for use if not contaminated. Sweep up spilled material and place in a suitable container for disposal. Wash spill area with soap and water. |
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| Waste Disposal Method | Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. |
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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator. |
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| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |

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| Protective Gloves | Rubber, if sensitive to irritation. | Eye Protection | Chemical safety glasses. |
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| Other Protective Equipment | Safety glasses, lab coat, eye wash station, proper gloves, ventilation hood. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store in a cool, dry place away from strong oxidizing materials. Wash thoroughly after handling. |
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| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. |
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Avoid contact with skin or eyes. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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| Revision | No. 5 | Date | 1/25/99 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| | | | | |
|-------------------|---|--|--|---|
| Product | DL-ASPARTIC ACID | CHEMTREC 800-424-9300 Day 716-226-6177 | Health | 1 |
| Chemical Synonyms | Aminosuccinic Acid | | Fire | 1 |
| Formula | C ₄ H ₇ NO ₄ | | Reactivity | 0 |
| Unit Size | up to 2.5 Kg. | | HMIS * LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 | |
| C.A.S. No. | 617-45-8 | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
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| DL-Aspartic Acid | 100% | None established. |

CAUTION! MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

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| Melting Point (°F) | 278 - 280°C (532 - 536°F). | Specific Gravity (H ₂ O = 1) | 1.6 |
| Boiling Point (°F) | Decomposes. | Percent Volatile by Volume (%) | Negligible. |
| Vapor Pressure (mm Hg) | Negligible as solid. | Evaporation Rate (=1) | Not applicable. |
| Vapor Density (Air=1) | N/A | | |
| Solubility in Water | Slight. | | |
| Appearance & Odor | White crystalline powder; no odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | Not applicable. | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
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| Extinguisher Media | Use any media suitable for extinguishing supporting fire. |
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20