



SAFETY DATA SHEET

Preparation Date: 11/27/2018 Revision Date: 11/27/2018 Revision Number: E1

1. IDENTIFICATION

Product identifier

Product code: A1044

Product Name: DL-Alanine, FCC

Other means of identification

Synonyms: DL-2-Aminopropionic Acid

CAS #: 302-72-7

RTECS # AY3980000

CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Laboratory chemicals. Research and Development. Manufacture of substances.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp

14422 South San Pedro St.

Gardena, CA 90248

(310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Tom Tyner (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Emergency Overview

Signal word(s): None

Pictogram(s): None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

Ingredients of unknown acute toxicity: None

GHS Classification: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: \pm -2-Aminopropionic Acid, 100%

CAS number: 302-72-7

EC number: 206-126-4

Formula: $C_3H_7NO_2$

Ingredients of known acute toxicity: None

4. FIRST AID MEASURES

After inhalation: Move person into fresh air. If not breathing, give artificial respiration.

After skin contact: Wash off with soap and plenty of water.
After eye contact: Flush eyes with water as a precaution.
After ingestion:
Never give anything by mouth to an unconscious person. Rinse mouth with water.
Information for doctor: Show this safety data sheet to the doctor in attendance.
Symptoms/effects; acute and delayed: See Sections 2 & 11.
Special treatment: No data available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Unsuitable extinguishing agents: No data available
Special hazards caused by the material, its products of combustion or resulting gases: Carbon oxides, nitrogen oxides (NO_x)
Special fire fighting procedures: Wear self-contained breathing apparatus and fully protective fire fighting equipment/clothing if necessary.
Unusual fire and explosion hazard: No data available.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:
Wear respiratory protection. Avoid dust formation. Ensure adequate ventilation.
Measures for environmental protection: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Measures for cleaning/collecting:
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for proper disposal.
Additional information:
See Section 7 for information on safe handling
See Section 8 for information on personal protective equipment
See Section 13 for information on disposal
See Section 15 for regulatory information

7. HANDLING AND STORAGE

Information for safe handling: Avoid contact with skin and eyes. Avoid dust formation. Provide appropriate exhaust ventilation.
Information about protection against explosions and fires: No data available
Storage requirements to be met by storerooms and containers: Keep container tightly closed in a dry and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation requirements: Local exhaust, chemical fume hood
Components with exposure limits that require monitoring: None
Additional information: No additional data available
General protective and hygienic measures: The usual precautionary measures for handling chemicals should be adhered to. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin
Personal protective equipment
Respiratory protection: Filter-dust, fume, mist; respirator equipped with HEPA (Use only NIOSH or CEN approved Equipment)
Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique.
Eye protection: Safety glasses, goggles
Skin protection: Completely covering work attire with full length apron

Additional protective equipment: Sufficient to prevent contact. Emergency eyewash and safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|--------------------|
| Physical state: Powder | Color: White | Odor: Odorless |
| Odor threshold: Not determined | Molecular Weight (Calculated): 89.09 | pH: Not determined |
| Melting point/freezing point/range: 289 °C/552 °F | Boiling point/range: Not determined | |
| Sublimation temperature/start: Not determined | Decomposition temperature: Not determined | |
| Flammability (solid, gas): No data available | Flash point: Not determined | |
| Autoignition temperature: Not determined | Danger of explosion: Not determined | |
| Flammable limits: No data available | Lower: Not determined Upper: Not determined | |
| Vapor pressure (mm Hg): Not determined | Vapor density: Not determined | |
| Specific gravity: No data available | Bulk density: Not determined | |
| Solubility in water: Soluble in cold water | Miscibility with water: No data available | |
| Partition coefficient n-octanol/water: Not determined | Other information: Not determined | |
| Viscosity: Not determined | | |

10. STABILITY AND REACTIVITY

Reactivity: Not determined
Chemical stability: Stable under recommended storage conditions
Possibility of hazardous reactions: Not determined
Conditions to be avoided: Not determined
Materials to be avoided: Strong oxidizing agents
Dangerous reactions: Not determined
Hazardous decomposition products: No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available
Irritation or corrosion of skin: No data available
Irritation or corrosion of eyes: No data available
Primary irritant or corrosive effect:
 on the skin: No data available
 on the eye: No data available
Sensitization: No data available
Potential health effects:
Inhalation: No data available
Ingestion: No data available
Skin: No data available
Eyes: No data available
To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
Carcinogenicity: No data available
Additional information: No data available

12. ECOTOXICOLOGICAL INFORMATION

Toxicity: No data available
Toxicity to fish: No data available
Toxicity to daphnia and other aquatic invertebrates: No data available
Toxicity to algae: No data available
Persistence and degradability: No data available
Biodegradability: No data available
Bioaccumulative potential:
Bioaccumulation: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Recommendation: Consult state, local or national regulation for proper disposal
Allow professional disposal company to handle waste. Must be specially treated under adherence to official regulations
Contaminated packaging disposal: Disposal must be made as unused product and according to official regulations

14. TRANSPORT INFORMATION

Land transport DOT: Not dangerous goods

15. REGULATORY INFORMATION

SARA Section 302 Extremely Hazardous components and corresponding TPQs: Not subject
SARA Section 311 / 312 hazards: No SARA Hazards
SARA Section 313 components: This product does not contain chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-to-know Act of 1986 and 40CFR372
California Proposition 65 components: None
TSCA: Product is listed on TSCA Inventory

16. OTHER INFORMATION

Preparation Date: 11/27/2018

Revision Date: 11/27/2018

Prepared by: Ken Wiener

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet