

Section 1 - Product and Company Information

Product Name DL-ALPHA-LIPOAMIDE
 Product Number 62330
 Brand FLUKA
 Company Sigma-Aldrich Canada, Ltd
 Address 2149 Winston Park Drive
 Oakville ON L6H 6J8 CA
 Technical Phone: 9058299500
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Section 2 - Composition/Information on Ingredient

Substance Name DL-6,8-THIOCTIC ACID AMIDE CAS # 3206-73-3 SARA 313
 No
 Formula C8H15NOS2

Section 3 - Hazards Identification

HMIS RATING
 HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0

NFPA RATING
 HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
 If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
 If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
 In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE
 In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

FLASH POINT
 N/A

AUTOIGNITION TEMP
 N/A

FLAMMABILITY
 N/A

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

FIREFIGHTING
 Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
 Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
 Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
 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.

Section 7 - Handling and Storage

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

STORAGE
 Suitable: Keep tightly closed.
 Store at 2-8°C

Section 8 - Exposure Controls / PPE

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

PERSONAL PROTECTIVE EQUIPMENT
 Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.
 Hand: Compatible chemical-resistant gloves.
 Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES
 Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Appearance Color: Slightly yellow

FLUKA - 62330 www.sigma-aldrich.com Page 2

Form: Powder

Property	Value	At Temperature or Pressure
Molecular Weight	205.3 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	126 °C	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

N/A - not available

Section 10 - Stability and Reactivity

STABILITY
 Stable: Stable.
 Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

HAZARDOUS POLYMERIZATION
 Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
 Skin Contact: May cause skin irritation.
 Skin Absorption: May be harmful if absorbed through the skin.
 Eye Contact: May cause eye irritation.
 Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
 Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

FLUKA - 62330 www.sigma-aldrich.com Page 3

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
 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.

Section 14 - Transport Information

DOT
 Proper Shipping Name: None
 Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
 Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION
 S: 22-24/25
 Safety Statements: Do not breathe dust. Avoid contact with skin and eyes.

UNITED STATES REGULATORY INFORMATION
 SARA LISTED: No

CANADA REGULATORY INFORMATION
 WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
 DSL: No
 NDSL: No

Section 16 - Other Information

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

WARRANTY
 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.