



Safety Data Sheet

**Section 1: Identification**

Trade Name: Alpha Lipoic Acid Powder

Synonyms: DL-.alpha.-Lipoic Acid , 1,2-dithiolane-3-pentanoic acid; Thioctic acid;

Company: Soapgoods Inc

Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093

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Emergency Phone: Chemtrec 1 800 424 9300

**Section 2: Hazard(s) Identification**

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Acute Toxicity: Oral, Category 4

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]

GHS Signal Word: Warning

GHS Hazard Phrases:

H302: Harmful if swallowed.

GHS Precaution Phrases:

P264: Wash {hands} thoroughly after handling.

GHS Response Phrases:

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330: Rinse mouth

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

Adverse Human Health            Material may be irritating to the mucous membranes and upper respiratory tract

Effects and Symptoms:            May be harmful by inhalation, ingestion, or skin absorption.  
May cause eye, skin, or respiratory system irritation  
To the best of our knowledge, the toxicological properties have not been

thoroughly investigated.

### Section 3: Composition/Information on Ingredients

Chemical Name	CAS No	% Content	EC No./ EC Index No	GHS Classification
1077-28-7 JP1192000	DL-6,8-thioctic acid	100.0 %	214-071-2 NA	Acute Tox.(O) 4: H302

### Section 4: First-Aid Measures

Description of First Aid No data available

Measures:

In Case of Inhalation:

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact:

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel

In Case of Ingestion:

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel

### Section 5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray . Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

5.2 Flammable Properties and Hazards: No data available

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data

Autoignition Pt: No data.

5.3 Fire Fighting Instructions As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### Section 6: Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:

Avoid raising and breathing dust, and provide adequate ventilation As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Methods and Material For Containment and Cleaning Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations

### Section 7: Handling and Storage

Precautions To Be Taken in Handling: Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

Precautions To Be Taken in Storing: Keep container tightly closed Store in accordance with information listed on the product insert.

### Section 8: Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
1077-28-7	DL-6,8-thioctic acid	No data	No data	No data

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1077-28-7	DL-6,8-thioctic acid	No data	No data	No data

## 8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

### 8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type): Do not take internally

Work/Hygienic/Maintenance Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

## Section 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Physical States:  Gas  Liquid  Solid

Appearance and Odor: A crystalline solid

Melting Point: No data.

Boiling Point: No data.

Flash Pt: No data.

Evaporation Rate: No data

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): No data.

Solubility in Water: No data.

Solubility Notes: ~30 mg/ml in ethanol, DMSO & DMF; ~0.25 mg/ml in 1:8 ethanol:PBS (pH 7.2);

Autoignition Pt: No data.

### 9.2 Other Information

Percent Volatile: No data

Molecular Formula & Weight: C8H14O2S2 206.3

### Section 10: Stability and Reactivity

Reactivity: No data available.

Stability: Unstable [ ] Stable [ X ]

Stability Note(s): Polymerization: Stable if stored in accordance with information listed on the product insert. Will occur [ ] Will not occur [ X ]

Conditions To Avoid: No data available.

Incompatibility - Materials Strong oxidizing agents To Avoid:

Hazardous Decomposition Or Byproducts: No data Available

### Section 11: Toxicological Information

Information on Toxicological Effects:

The toxicological effects of this product have not been thoroughly studied. Toxicity Data: Oral LDLo (rat): 420 mg/kg; Intraperitoneal LD50 (mouse): 235 mg/kg

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1077-28-7	DL-6,8-thioctic acid	n.a.	n.a.	n.a.	n.a.

### Section 12: Ecological Information

**Toxicity** Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Results of PBT and vPvB**

**assessment:** No data available.

### Section 13: Disposal Considerations

**Waste Disposal Method** Dispose in accordance with local, state, and federal regulations.

### Section 14: Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not dangerous goods.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** Not dangerous goods.

**UN Number:**

**Hazard Class:**

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not dangerous goods.

**Additional Transport Information:** Transport in accordance with local, state, and federal regulations.

## Section 15: Regulatory Information

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1077-28-7	DL-6,8-thioctic acid	No	No	No
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists		
1077-28-7	DL-6,8-thioctic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		

Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

## Section 16: Other Information

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