Safety Data Sheet

Section I. Identification of the substance

Product Name: alpha-lipoic acid-NHS
Catalog number: BP-22515
Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.
Tel: +1-858-677-6760
Emergency Phone Number: +1-858-886-7300

Section II. Hazards identification

Classification
Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Sensitization, Skin (Category 1), H317
Serious eye damage (Category 1), H318
Eye irritation (Category 2A), H319
Long-term (chronic) aquatic hazard (Category 2), H411

Pictograms



Single word Danger

Hazards Not Otherwise Classified

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P330	Rinse mouth.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P320	Specific treatment is urgent (see on this label).
P351	Rinse cautiously with water for several minutes.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P372	Explosion risk in case of fire.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section III. Composition and information on ingredients.

Name: alpha-lipoic acid-NHS
Formula: $C_{12}H_{17}NO_4S_2$
MW: 303.4
CAS: 40846-94-4

Section IV. First aid measures

1.Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
2.Eye contact: Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
3.Inhalation: Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.
4. Ingestion: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.
Respiratory precaution: Wear approved mask/respirator
Hand precaution: Wear suitable gloves/gauntlets
Skin protection: Wear suitable protective clothing
Eye protection: Wear suitable eye protection

Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal. See section 12.

Environmental precautions: Do not allow material to enter drains or water courses.

Section VII. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet.

Storage: Store in closed vessels at -20^{0}C.

Section VIII. Exposure Controls / PPE

Engineering Controls: Use only in a chemical fume hood.

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: Solid
Odor: No data
Boiling point: No data
Melting point: No data
Flash point: No data
Density: No data
Formula: $C_{12}H_{17}NO_4S_2$
Molecular weight: 303.4
pH: No data
Evaporation rate: No data
Relative Density: No data
Solubility: No data
Partition coefficient; n-octanol/water: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: No data

Section X. Stability and reactivity

Conditions to avoid: Heat, flames and sparks.

Materials to avoid: Oxidizing agents.

Possible hazardous combustion products: No data available.

Section XI. Toxicological information

No data

Section XII. Ecological information

No data

Section XIII. Disposal consideration

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Section XIV. Transportation information

Non-hazardous for air and ground transportation.

Section XV. Regulatory information

Indication of Danger: No data.

Risk Statement: No data.

Safety Statement: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

Section XVI. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but does not purport to be all inclusive and shall be used only as a guide. BroadPharm shall not be held liable for any loss, injury or damage which may result from its use. This product is for research and development use only.