

Safety Data Sheet

R-Alpha Lipoic Acid ALA Enzyme Thioctic Acid

Page: 1/4

Revision Date: April 13, 2023

SECTION 1. IDENTIFICATION

Product Name:	R-Alpha Lipoic Acid ALA Enzyme Thioctic Acid
INCI Name:	<i>Thioctic Acid</i>
CAS#:	1077-28-7
Recommended Use	Topical Cosmetic Use
Supplier:	Bulk Naturals Wholesale LLC. 212 N Jefferson Unit 12A Ava, Mo 65608, USA 1-573-465-0612
Telephone No. (24hrs):	1-573-465-0612
Emergency Telephone # :	1-573-465-0612(Mon-Fri: 8:00AM – 5:00PM CST)

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Classification: This material is non-hazardous

GHS Label Elements:



Signal: Warning

Hazard statement(s):

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statements:

P261	Avoid breathing dust.
P264	Wash contaminated skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P304+P340	IF INHALED: Remove the victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338	Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/containers in accordance with national regulations.

Safety Data Sheet

R-Alpha Lipoic Acid ALA Enzyme Thiocctic Acid

Page: 2/4

Revision Date: April 13, 2023

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	CAS Numbers	EC Numbers	Percentage
Thiocctic Acid (R-Alpha Lipoic Acid ALA Enzyme)	1077-28-7	214-071-2	100.0%

SECTION 4. FIRST AID MEASURES

Eye:	Immediately flush your eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact:	Remove contaminated clothing. Wash the area with soap and water. If irritation occurs, get medical attention.
Inhalation:	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion:	Consult a physician.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water Foam Carbon dioxide (CO2) Dry powder.
Unsuitable extinguishing media:	For this substance/mixture, no limitations of extinguishing agents are given.
Precautions for fire-fighters:	Stay in the danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Special hazards arising from the substance:	Carbon oxides, Sulfur oxides are Combustible. Development of hazardous combustion gases or vapors possible in the event of a fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Advice for non-emergency personnel: Avoid inhalation of dust. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, and consult an expert.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if the product enters sewers or public waters.
Methods for cleaning up:	Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.
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The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made and we assume no liability regarding this formula or information contained herein. In every case we urge and recommend that our customers make their own tests to determine to their own satisfaction whether the product is suitable for their particular purposes under their own operating conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without the authority from the owner of this patent

Safety Data Sheet

R-Alpha Lipoic Acid ALA Enzyme Thiocctic Acid

Page: 3/4

Revision Date: April 13, 2023

Recommended Storage Conditions:

Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Eyes:**

Use tightly sealed goggles.

Skin:

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory:

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion:

Not for ingestion.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Light yellow-colored powder.

Odor:

Not available.

Melting Point:

60 °C.

Boiling Point:

>286 °C at ca.1.013 hPa - Regulation (EC) No. 440/2008, Annex, A.2 -
Decomposes below the boiling point.

Flashpoint:

160-165°C.

Relative Density:

ca.1,4 g/cm3 at 23 °C.

Solubility:

In water: ca.0,87 g/l at 22 °C - OECD Test Guideline 105 In Ethanol:
50 g/l at 20 °C.

SECTION 10. STABILITY AND REACTIVITY**Chemical stability:**

Chemically stable.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

Conditions to avoid:

Not available.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

Carbon oxides, Sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION**Inhalation:**

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness

Skin contact:

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact:

Possible irritation should be prevented by wearing safety glasses.

Ingestion:

Low-order toxicity causes irritation of the stomach and intestines which results in nausea and vomiting.

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R-Alpha Lipoic Acid ALA Enzyme Thiocctic Acid

Page: 4/4

Revision Date: April 13, 2023

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

LC₅₀ - Danio rerio - 43 - 96 mg/l - 96 h (OECD Test Guideline 203).

EC₅₀ - Daphnia magna - ca. 15,1 mg/l - 48 h (OECD Test Guideline 202)

ErC₅₀ - Pseudokirchneriella subcapitata - ca. 5,51 mg/l - 72 h (OECD Test Guideline 201)

EC₁₀ - Pseudokirchneriella subcapitata - ca. 0,583 mg/l - 72 h (OECD Test Guideline 201)

Persistence and degradability:

Biodegradability aerobic - Exposure time 28 d Result: ca.26 % - Not readily biodegradable. (OECD Test Guideline 301A)

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, state or provincial, and federal regulations. Check with local municipal authorities to ensure compliance.

SECTION 14. TRANSPORT INFORMATION

UN Number:

3077

UN proper shipping name:

Environmentally hazardous substances, solid n.o.s valeric acid.

Transport hazard class:

9

Packaging group:

III

SECTION 15. REGULATORY INFORMATION

This product does not need to be labeled in accordance with EC Directives or respective national laws

SECTION 16. OTHER INFORMATION

Revision date:

April 13, 2023