



State of the art ingredients · fast friendly service

ALPHA LIPOIC ACID

1. IDENTITY

Name	Alpha Lipoic acid
INCI Name	Thioctic acid
Synonyms	1,2 Dithiolane-3-valeric acid
Chemical Family	Dithio carboxylic acid
INCI Name	Thioctic acid
Applications	Cosmeceuticals, Nutraceuticals

2. INGREDIENTS/IDENTITY INFORMATION

COMPONENT	Molecular Formula	Molecular weight	CAS No.	EINECS No.
Alpha Lipoic acid	C ₈ H ₁₄ S ₂ O ₂	206.33	62-46-4	-

3. IDENTIFICATION OF THE HAZARDS

Hazardous reactions	No hazardous reactions
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4. PRECAUTIONS FOR SAFE HANDLING AND USE

Inhalation	Danger unknown
Contact with Skin	Wash thoroughly with water and soap
Contact with Eyes	Wash with copious quantities of water, Consult an oculist
Ingestion	Rinse mouth and obtain medical attentio

5. FIRE AND EXPLOSION HAZARD DATA

Special fire fighting procedures and extinguishing media:

Handling:	Water, carbon dioxide, water spray, dry chemical powder And appropriate foam
Specific hazards:	Material emits toxic fumes on combustion.
Special protective equipment:	Wear self-Contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

NFPA RATING (Estimated)	Health: 1 Flammability:0 Reactivity: 0
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6. ACCIDENTAL RELEASE MEASURES

In case of material is released or spilled

- 1. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- 2. Cover with absorbents and complete pick up material. Absorbents: Sand, saw dust, dry lime, soda ash.
- 3. Keep in a closed container for waste disposal
- 4. Ventilate area and wash spill site after material pick up is complete. Evacuate area.

7. HANDLING AND STORAGE

Indications for protection against fire and explosion:

- 1. Keep away from ignition source
- 2. No smoking

Storage condition:

- 1. Store at room temperature (15 to 25°)
- 2. Not to be stored with oxidizing agents

3. Incompatible material:

ND

For more information refer section 8

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Eyes total protective glasses
- Wash contaminated cloth before reuse
- Discard contaminated shoes
- Wash thoroughly after handling
- Do not breathe vapor
- Compatible chemical resistant gloves

When opening the container outside in open areas wear approved dust mask and in poorly ventilated areas wear NIOSH/MSHA approved respirator.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Color	Yellow
Odor	Orderless
Boiling point (°C)	NA
Melting point (°C)	58-62°C
Flash point (°C)	NA
Flammable limits (°C)	NA
Self-flaming (°C)	NA
Explosion limits (°C)	NA
Combustion properties	NA
Vapor pressure (mm Hg)	NA
Refractive index (20°C)	NA
Density, g/cm ³ (20°C)	NA
Solubility in water	Insoluble in water
Solubility other	Soluble in methanol and in alcohol
Sharing coefficient	NA
Viscosity (mPa.S)(60°C)	NA

10. STABILITY AND REACTIVITY DATA

Stability:	Product is stable from safety point of view
Incompatibility:	Strong oxidizing agents
Hazardous combustion or decomposition product:	Carbon monoxide and carbon dioxide, Sulphur dioxide
Hazardous polymerization:	Will not occur

11. HEALTH HAZARDOUS

Index of primary cutaneous irritation:	Slithly irritant
Index of ocular irritation:	rritant

12. ECOLOGICAL INFORMATIONS

Mobility:	Free flowing Powder
Degradability	Not established
Accumulation	No known adverse bioaccumulation and biomagnifications
Short and long term effect Of ecotoxicity	No known ecological effect

13. DISPOSAL CONSIDERATIONS

Product and waste can be eliminated as a non-hazardous industrial waste according to local regulations and federal law concerning waste elimination



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14. TRANSPORT INFORMATION

Transport information Consult applicable regulations for transport information
Additional information Not available

15. REGULATORY INFORMATION

European information S26:In case of contact with eyes rinse
 Immediately with plenty of water and seek
 Medical advice
 S36/37/37:Wear suitable protective clothing,
 Gloves and eye face protection

Disclaimer

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