

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT IDENTIFICATION

Commercial Name : Alpha lipoic acid Other Name : Thioctic acid

Use : pharmaceutical / food raw material

Company Wuxi Accobio Biotech Inc.

- Address Block 25-26, Zhongbang MOHO, No.2008 Lihu Avenue, Wuxi City, Jiangsu China
214125

2. INFORMATION ON COMPOSITION

Name : alpha lipoic acid

Chemical Formula : C₈H₁₄O₂S₂

Molecular Weight : 206.33 CAS No.: 1077-28-7

3. HAZARD IDENTIFICATION

Pictogram: 

WARNING

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

P280 Wear protective gloves/protective clothing/eye
protection/face protection

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing.

4. FIRST AID MEASURES

General Instruction : The product is neither dangerous nor hazardous .

Availability of the usual first aid means is requested.

Eye contact : In case of contact ,immediately flush eyes with copious amounts of water for at lease 15
minutes . Assure adequate flushing by separating the eyelids with fingers; call a physician .

Skin contact : in case of contact , immediately wash skin with soap and copious amounts of water .

Ingestion : if swallowed , wash out mouth with water provided person is conscious, call a physician.

Inhalation : if inhaled , remove to fresh air , if not breathing give artificial respiration. If breathing is difficult ,
Give oxygen

Notes to physicians : Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : water spray , dry chemical powder , carbon dioxide .

Unusal fire and explosions : Emits toxic flumes under fire conditions.

Special protective equipment : wear a self-contained breathing apparatus and protective clothing to prevent contact
with skin and eyes .

6. ACCIDENTAL SPILLING MEASURES

Antidust mask , chemical safety goggles, rubber boots and heavy rubber gloves .

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 .

7. STORAGE AND HANDLING

Handling : usual protective equipment against chemical powder.

Storage : Stored in dry , dark and cool place .

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

General measures : Normal cautions for chemical materials.

Personal protection and hygiene : General guidelines of good industrial hygiene

Respiratory protection : antidust mask

Hands protection: gloves

Eyes protection: goggles

Skin protection: protective clothing

Technical facility measures : Efficient exhaust system

9. STABILITY AND REACTIVITY

General features : stable in dry and cool place

Condition to avoid : warning , contact with acidic mediums

Materials to avoid : Oxidizers , mineral acids

10. PHYSICAL AND CHEMICAL PROPERTIES

Molecular weight:205.343

Solubility(IN NaOH): Clear and pale yellow

Melting Point: 60-62°C

Loss on drying: 0.5% max

Appearance: Slight yellow crystal powder

11. TOXICOLOGICAL INFORMATION:

N/P

12. ECOLOGICAL INFORMATION:

N/P

13. DISPOSAL CONSIDERATION:

Waste disposal methods:

Dispose of in a manner consistent with federal, state and local regulations.

Not listed as a material banned from land disposal according to RCRA.

14. TRANSPORT INFORMATION:

N/P

15. REGULATORY INFORMATION

SARA Title III information:

N/P

Federal regulatory information:

N/P

State regulatory information:

N/P

16. OTHER INFORMATION

Other information: N/P