



## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Liposomal Alpha Lipoic Acid

**Product Code :** ALALI35

**Company Identification:**

WEST BENGAL CHEMICAL INDUSTRIES LIMITED

Plot No.-D-2/CH/219 and 220,

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Alpha Lipoic Acid	1200-22-2	100

## Section 3 - Hazards Identification

### Classification of the substance or mixture

Acute toxicity - oral 4 H302 Harmful if swallowed.

Skin irritation 2 H315 Causes skin irritation.

Eye irritation 2A H319 Causes serious eye irritation. Specific target organ toxicity (single exposure) 3 H335 May cause respiratory irritation.

### Label elements ·

#### GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation. ·

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray 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.

P280 Wear protective gloves / eye protection / face protection.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.



### · NFPA ratings (scale 0 - 4)



### · HMIS-ratings (scale 0 - 4)





### Section 3 - Hazards Identification

P330 Rinse mouth.  
P302+P352 If on skin: Wash with plenty of water.  
P321 Specific treatment (see on this label).  
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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
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.  
**Information pertaining to particular dangers for man and environment:**  
**Classification system:**  
**Other hazards**  
**Results of PBT and vPvB assessment**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.  
**Classification according to (d)(1)(ii) of § 1910.1200**  
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.  
**Hazards not otherwise classified**  
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

### Section 4 - First Aid Measures

#### Description of first aid measures

**General information:** Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.





## Section 4 - First Aid Measures

**After swallowing:** Immediately call a doctor.  
Most important symptoms and effects, both acute and delayed  
No further relevant information available.  
Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## Section 5 - Fire-Fighting Measures

**Extinguishing media**  
**Suitable extinguishing agents:**  
Use firefighting measures that suit the environment.  
A solid water stream may be inefficient.  
**Special hazards arising from the substance or mixture** No further relevant information available.  
**Advice for firefighters:**  
**Protective equipment:** No special measures required.

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** Not required.  
**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.  
**Methods and material for containment and cleaning up:** Ensure adequate ventilation.  
**Protective Action Criteria for Chemicals**  
**PAC-1:** Substance is not listed.  
**PAC-2:** Substance is not listed.  
**PAC-3:** Substance is not listed.  
**Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

## Section 7 - Handling and Storage

**Precautions for safe handling**  
No special precautions are necessary if used correctly.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Avoid prolonged or repeated exposure. Keep away from sources of ignition.  
Take precautionary measures against static discharge.  
**Information about protection against explosions and fires:** No special measures required.  
**Conditions for safe storage, including any incompatibilities**



## Section 7 - Handling and Storage

**Storage:** Store in accordance with information listed on the product insert.  
**Requirements to be met by storerooms and receptacles:** No special requirements.  
**Information about storage in one common storage facility:** Not required.  
**Further information about storage conditions:** Keep receptacle tightly sealed.  
**Specific end use(s):** No further relevant information available

## Section 8 - Exposure Controls / Personal Protection

### Control parameters

**Components with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

**Appropriate engineering controls** No further data; see section 7.

### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Breathing equipment:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

### Protection of hands:



#### Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### Eye protection:



## Section 8 - Exposure Controls / Personal Protection



Tightly sealed goggles

## Section 9 - Physical and Chemical Properties

### Appearance Form

Form	: Free flowing powder
Color	: Off white
Odour	: NA
Solubility	: NA

## Section 10 - Stability and Reactivity

**Reactivity** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** strong oxidizing agents

**Hazardous decomposition products:** carbon dioxide, carbon monoxide, sulfur oxides

## Section 11 - Toxicological Information

### Information on toxicological effects

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

**Interactive effects** No interactive effects between components are known.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)** Substance is not listed.

**NTP (National Toxicology Program)** Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.



## Section 11 - Toxicological Information

### Alternative sources for toxicological information

No non-standard sources for toxicological information where used.

## Section 12 - Ecological Information

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### Other adverse effects

### Additional ecological information:

### General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## Section 13 - Disposal Considerations

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14 - Transport Information

D O T Classification : Not a DOT controlled material

Air transport Goods : Nonhazardous/non dangerous as per IATA DGR.

Special Provision for Transport : Not applicable

IATA Specification Non-dangerous, non-hazardous

### DOT (Pictograms)

AS PER IATA REGULATION SAFE FOR CARRAGE, NON-HAZARDOUS AND NON-RESTRICTED.

NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED.

THIS IS NOT REGULATED AS PER IATA REGULATION





## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

**Sara**

**Section 355 (extremely hazardous substances):**

Substance is not listed.

**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):** Substance is not listed.

**Hazardous Air Pollutants** Substance is not listed.

**Chemicals known to cause cancer:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

**Chemicals known to cause developmental toxicity:** Substance is not listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)** Substance is not listed.

**TLV (Threshold Limit Value)** Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.

## Section 16 - Other Information

**Disclaimer:** This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED, Dahej believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

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