

Material Safety Data Sheet

1. Identification of substance:

- Product details: L-Cysteine Hydrochloride Monohydrate
- Trade name: L-Cysteine Hydrochloride Monohydrate
- Manufacturer/Supplier: Shaanxi Lifewe Bioengineering Co., Ltd.
- Information department: Technical Department

2. Composition/Data on components:

- Chemical characterization: natural product
- Description: white crystal powder
- Dangerous components: no.

3. Hazards identification

- Hazard description: not applicable
- Information pertaining to particular dangers for man and environment: not applicable
- Classification system: The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

4. First aid measures

- General information: no special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: if symptoms persist consult doctor.

5. Fire fighting measures

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray of alcohol resistant foam.
- Protective equipment: No special measures required.

6. Accidental release measures

- Measures for environmental protection: No special measures required.
- Measures for cleaning/collection: Pick up mechanically avoiding causing a stir.
- Additional information: No dangerous substances are released.

7. Handling and storage

- Information for safe handling: No any effect.
- Information about protection against explosions and firms: No special measures required.
- Storage: requirements to be met by storerooms and receptacles: Keep container dry.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Storage class: no special requirement.

8. Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Addition information:

The lists that were valid during the creation were used as basis.

- Personal protective equipment: no requirement.
- Breathing equipment: Not required.
- Protection of hands: Not required.
- Eye protection: Not required.

9. Physical and chemical properties:

- Form: fine powder
- Odor: characteristic
- Moisture: not more than 8%

10. Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous products of decomposition:
No dangerous decomposition products known.

11. Toxicological information

- Acute toxicity: none
- Primary irritant effect: none
- On the skin: no irritant effect on the skin. The inhalation of powder can irritate the respiratory tract.
- On the eye: No irritant effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines of preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

- General notes: No hazardous to water.

13. Disposal Considerations

- Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information:

- ADR/RID class: Not applicable

15. Other Regulatory Information

- Federal and State Regulation: No products were found.
- Other Regulations: Not available
- Other Classifications:
- WHMIS (Canada): Not controlled under WHMIS (Canada)
- DSCL (EEC): R36-Irritating to eye/S2-keep out of the reach of children./S46-If swallowed, seek medical advice/Immediately and show this container or label.
- HMIS (U.S.A.): Health Hazard: 1/Fire Hazard: 1/Reactivity: 0/Personal Protection: E
- National Fire Protection Association (U.S.A.): Health: 1/Flammability: 1/Reactivity: 0
- Protective Equipment: Gloves/Lab coat/Dust respirator/Be sure to use an Approved/certified respirator of Equivalent/Safety glasses

16. Other information:

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Department issuing MSDS: Shaanxi Lifewe Bioengineering Co., Ltd.
- Contact: Ms. Qiaoli Zhai

Date: Jan. 12th, 2024

Shaanxi Lifewe Bioengineering Co., Ltd.