



LIDE PHARMACEUTICALS LIMITED

Add: 16F, Central Gold land, No.61, Jianning Road, Nanjing, Jiangsu Province, 210000, P.R. China.

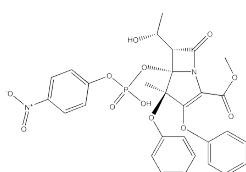
Material Safety Data Sheet

Proteinase K MSDS

Section 1: Chemical Product and Company Identification

Product name: Proteinase K

CAS No.: 39450-01-6



Chemical Formula:

Contact Information: LIDE PHARMACEUTICALS LIMITED

Add.: 16F, Central Gold land, No.61, Jianning Road, Nanjing, Jiangsu Province, 21, P.R. China.

Tel.: 025-58409506

Section 2: Composition and Information on Ingredients

Product Name	Chemical Name	CAS No.
Proteinase K	Proteinase K	39450-01-6

Section 3: Hazards Identification

Not considered hazardous when handled under normal conditions with good house keeping.

Hazard description: none.

This product doesn't have any nocuous substance for people and environment.

Section 4: First Aid Measures

Eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Water spray jet, dry powder, foam, carbon dioxide.

Flash point (liquid): No applicable.

Protection of fire-fighters:

- Precipitate gases/vapors/mists with water spray.
- Use self-contained breathing apparatus.
- Avoid skin contact.

Fireman should wear the standard gas mask.

Section 6: Accidental Release Measures

Small spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Information for safe handling:

Processing in closed systems.

- Ensure local exhaust ventilation.
- Avoid dust formation, reduce the dust of powder fly upwards to the best of one's abilities and routing clean the dust of powder.
- Take precautionary measures against electrostatic charging.

Storage:

Storage condition

- Store in a cool and dry location, avoid to happen the extreme climate condition.
- Depart from the heat source and fire.
- Protect from light and store in close tightly.
- See expiry date on the label

Packaging materials

- Packing in well-closed, light-resistant and tight containers.
- Material: double polyethylene or plastic bag inside of drum, plastic bag inside of cardboard drum, Al-foil or Al-tin.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a large spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Section 9: Physical and chemical Properties

Appearance: White to off-white solid

Odor: Not available

Color: White to off-white

PH: 7.5~12

Melting point: Not available

Molecular weight: 626.504641

Molecular Formula: C₂₉H₂₇N₂O₁₂P

Solubility: H₂O: 10 mg/mL, slightly hazy, brown-yellow

Section 10: Stability and Reactivity

Stability: Stable under the conditions mentioned in section 7.

Conditions to be avoided:

Avoid in temperatures above 100°C.

Avoid in directly light.

Materials to avoid:

Strong acids.

Dangerous products of decomposition:

None.

Section 11: Toxicological information

Acute toxicity:

No toxicity, also not have toxic impurities.

Section 12: Ecological information

Biodegradability:

Biodegradation, no ecology toxicity under normal condition.

Section 13: Disposal Considerations

Waste Disposal:

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

Section 14: Transport Information

Not a hazardous material for transportation.

DOT regulations:

Hazard class: Not dangerous goods

Land transport ADR/RID (cross-border)

ADR: Not dangerous goods

Maritime transport IMDG:

IMDG: Not dangerous goods

Air transport ICAO-TI and IATA-DGR:

IATA: Not dangerous goods

RID: Not dangerous goods

Transport/Additional information: Not dangerous according to the above specifications as per 61st edition of IATA DGR issued in 2020. Temperature for transport: 2°C ~ 8°C.

Section 15: Regulatory Information

Not available

Section 16: Other Information

The information above is believed to be reliable and represents the best information currently available to us. However, it shall be used only as a guide, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes.