

Safety Data Sheet (MSDS) for Light Liquid Paraffin

Manufacturer: Shandong Ruisheng Pharmaceutical Excipients Co., Ltd.

Packaging Specifications: 20KG/drum, 170KG/drum

Manufacturer's Address: Middle Section of West Ring Road, Dong'e County,
Liaocheng City, Shandong Province

Contact Number: 0635-5018008

Section 1: Chemical Product and Company Identification

Chemical Name: Light Liquid Paraffin

This product is a mixture of various liquid saturated hydrocarbons obtained from petroleum.

Chemical English Name: Light Liquid Paraffin

Section 2: Composition/Information on Ingredients

Nature: Mixture

This product is a mixture of various liquid saturated hydrocarbons obtained from petroleum.

CAS No.: 8012-95-1

Section 3: Hazards Identification

Hazard Class: Not defined by national standards

Routes of Exposure: Ingestion

Health Hazards: Harmful if ingested

Environmental Hazards: Minor

Section 4: First-Aid Measures

Ingestion

Drink plenty of water, induce vomiting, and seek medical attention immediately.



General Emergency Measures

No special measures required.

Inhalation

Provide fresh air, drink plenty of water, induce vomiting, and seek medical attention immediately.

Skin Contact

Rinse thoroughly with water and soap immediately.

Eye Contact

Hold eyes open and rinse with running water for several minutes. Seek medical assistance immediately if symptoms persist.

Ingestion (Supplementary)

Rinse mouth and drink plenty of water. Seek medical assistance immediately.

Information for Physicians

No detailed information available on the most important acute and chronic symptoms and their effects.

No detailed information available on symptoms requiring immediate medical and special treatment.

Section 5: Fire-Fighting Measures

Nature: This product is not a flammable substance.

Extinguishing Media: Water spray, dry chemical powder, carbon dioxide, chemical foam.

Special Hazards

In case of fire, the release of other toxic gases cannot be ruled out, e.g., Carbon Monoxide (CO).

Special Extinguishing Methods

Avoid inhalation of dust/fumes/gases/mists/vapors/spray.

Special Protective Equipment for Firefighters

Wear appropriate respiratory protection in case of insufficient ventilation.

Section 6: Accidental Release Measures

Protective Measures

Wear protective clothing and respiratory protection to avoid exposure to fumes/dust/aerosols.

Environmental Protection Measures

Do not allow the product to enter sewage systems or any water sources.

Spill/Leakage Disposal

Absorb with sand or other inert materials, or rinse with plenty of water, dilute and discharge into wastewater collection systems.

Section 7: Handling and Storage

Store in a cool, dry place, away from direct sunlight, in a sealed container.

Section 8: Exposure Controls/Personal Protection

Engineering Controls

Operate in a sealed system with adequate ventilation.

Respiratory Protection

Wear self-priming filter type half-mask respirator when the concentration in the air exceeds the limit; wear air respirator during emergency evacuation or first aid.

Eye Protection

Wear chemical safety goggles.

Body Protection

Wear poison-proof permeable protective work clothes.

Hand Protection

Wear rubber gloves.

Other Protection

None

Section 9: Physical and Chemical Properties

Main Component: Mixture

Physical State: Oily liquid

Color: Colorless and transparent

Vapor Pressure: <1 hPa at 20°C

Viscosity: Not less than 12 mm²/S at 40°C

Specific Gravity/Density: 0.830 ~ 0.860

Section 10: Stability and Reactivity

Reactivity

Reacts with strong oxidizing agents.

Stability

Stable at room temperature.

Section 11: Toxicological Information

Light Liquid Paraffin is mainly used as an excipient in topical pharmaceutical preparations and as a component of ointment bases due to its emollient properties; it is also used in ophthalmic preparations. The FDA deems Light Liquid Paraffin safe for direct use in food. However, ingestion of a large amount or long-term use of Light Liquid Paraffin may be harmful. Long-term use may reduce appetite and affect the absorption of fat-soluble vitamins. Emulsified Light Liquid Paraffin may cause granulomas when absorbed in a certain amount.

Oral or nasal use of Liquid Paraffin or products containing Liquid Paraffin is not recommended for infants or children, as it may cause lipoid pneumonia [1]

Carcinogenicity: Not classified as a carcinogen.

Others: Toxicological properties have not been fully investigated.

Reference

[1] Translated by Zheng Junmin. *Handbook of Pharmaceutical Excipients (4th Edition)*. Beijing: Chemical Industry Press.

Section 12: Ecological Information

Persistence and Degradability

Not readily biodegradable.

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Other Information

- Potential for Bioaccumulation: No expected accumulation in organisms.
- Mobility in Soil: No detailed information available.
- Additional Ecological Information: Do not allow undiluted or large quantities of the product to contact groundwater, water courses or sewage systems; Water Hazard Class: Slightly hazardous to water.
- Other Adverse Effects: No detailed information available.

Section 13: Disposal Considerations

Disposal Methods

Recommendation: Must be disposed of in strict accordance with government regulations.

Contaminated Containers and Packaging

Recommendation: Must be discarded in accordance with official rules.

Section 14: Transport Information

Transport Hazard Class: Not specified

Environmentally Hazardous: No

Marine Pollutant: No

Special Precautions for Users: Not applicable

Section 15: Regulatory Information

Not listed in the Hazardous Chemicals Catalogue.

Chemical Safety Assessment: Not yet conducted.

Section 16: Other Information

None

Shandong Ruisheng Pharmaceutical Excipients Co., Ltd.

December 11, 2025

