



Material Safety Data Sheet (MSDS) for Liquid Paraffin

SECTION 1: Identification

Product Name: Liquid Paraffin

Chemical Formula: C_nH_{2n+2}

CAS Number: 8042-47-5

Synonyms: White Mineral Oil, Liquid Petroleum Paraffin

SECTION 2: Hazard Identification

Classification (according to Regulation (EC) No 1272/2008): Not classified as hazardous.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (%)
Liquid Paraffin	8042-47-5	100

SECTION 4: First Aid Measures

Inhalation: Move the affected person to fresh air. If breathing difficulties persist, seek medical attention.

Skin Contact: Wash affected area with soap and water. If irritation occurs, seek medical advice.

Eye Contact: Rinse eyes thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth and drink plenty of water. Seek medical attention if symptoms persist.



SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use water spray, foam, dry chemical, or carbon dioxide.

Specific Hazards Arising from the Chemical: May release irritating or toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental Release Measures

Personal Precautions: Wear protective clothing and equipment. Avoid inhalation and skin contact.

Environmental Precautions: Prevent entry into waterways and sewers. Inform relevant authorities if the product has caused environmental contamination.

Cleanup Procedures: Absorb spills with inert materials. Dispose of waste in accordance with local regulations.

SECTION 7: Handling and Storage

Handling: Avoid prolonged or repeated skin contact. Use in a well-ventilated area.

Storage: Store in a cool, dry place away from heat and direct sunlight. Keep containers tightly closed.

SECTION 8: Exposure Controls/Personal Protection

Exposure Limits: Not established.



Engineering Controls: Use adequate ventilation to maintain air concentrations below occupational exposure limits.

Personal Protective Equipment: Wear protective gloves, goggles, and suitable clothing.

SECTION 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: Odorless

Density: Varies with grade

Boiling Point: Varies with grade

Flash Point: Varies with grade

Solubility in Water: Insoluble

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Avoid heat, open flames, and incompatible materials.

Incompatible Materials: Strong acids, strong bases, and oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

SECTION 11: Toxicological Information

Acute Toxicity: Low toxicity by ingestion and skin contact.

Skin Irritation: Mild irritation may occur.



Eye Irritation: May cause irritation.

Chronic Effects: Prolonged or repeated exposure may cause dermatitis.

SECTION 12: Ecological Information

Ecotoxicity: Low environmental toxicity.

Persistence and Degradability: Readily biodegradable.

Bioaccumulative Potential: Low bioaccumulation potential.

SECTION 13: Disposal Considerations

Dispose of in accordance with local, state, and federal regulations.

SECTION 14: Transport Information

Not regulated for transport.

SECTION 15: Regulatory Information

Refer to local regulations for specific information.

SECTION 16: Other Information

This MSDS is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information contained herein is based on the present state of knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.