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MATERIAL SAFETY DATA SHEET (MSDS)

Pharma Grade Liquid Paraffin

SECTION 1: Identification of the Substance and Company

Product Identifier

Item	Details
Product Name	Pharma Grade Liquid Paraffin
Synonyms	Pharmaceutical Grade Liquid Paraffin, Pharma White Oil, Pharmaceutical White Oil, White Mineral Oil Pharma Grade, Paraffinum Liquidum
CAS Number	8012-95-1
Chemical Family	Highly Refined Mineral Oil
Product Type	Pharmaceutical Excipient / White Mineral Oil
Recommended Use	Pharmaceutical formulations, cosmetics, ointments, lotions, personal care products, medical applications

SECTION 2: Hazard Identification

GHS Classification

This product is generally considered non-hazardous under normal industrial and pharmaceutical handling conditions.

GHS Label Elements

Item	Description
Signal Word	None
Hazard Symbol	None
Hazard Classification	Not Classified

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Potential Health Effects

Eye Contact

May cause mild temporary irritation upon direct contact.

Skin Contact

Generally non-irritating under normal conditions.

Inhalation

Oil mist inhalation may cause mild respiratory irritation.

Ingestion

Large quantities may cause gastrointestinal discomfort.

Environmental Hazards

Avoid uncontrolled release into waterways or soil.

SECTION 3: Composition / Information on Ingredient

Component	CAS Number	Concentration
Highly Refined Mineral Oil	8012-95-1	100%

The product contains highly purified hydrocarbon oil meeting pharmaceutical-grade standards.

SECTION 4: First Aid Measures

Eye Contact

Immediately rinse eyes with clean water for at least 15 minutes.
Seek medical attention if irritation persists.

Skin Contact

Wash affected area with soap and water.
Remove contaminated clothing if necessary.

Inhalation

Move person to fresh air.
Seek medical attention if symptoms continue.

Ingestion

Do not induce vomiting.
Rinse mouth with water.
Seek medical advice if discomfort occurs.

Most Important Symptoms

- Mild eye irritation
- Mild respiratory irritation from oil mist
- Gastrointestinal discomfort after excessive ingestion

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Foam
- Dry chemical powder
- Carbon dioxide (CO_2)
- Water fog

Unsuitable Extinguishing Media

Do not use direct high-pressure water streams.

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Specific Hazards

Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Smoke
- Hydrocarbon fumes

Protective Equipment for Firefighters

Use:

- Self-contained breathing apparatus (SCBA)
- Protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions

- Avoid slipping hazards
- Wear protective gloves if necessary
- Prevent oil mist generation

Environmental Precautions

Prevent entry into:

- Drains
- Soil
- Surface water
- Groundwater

Spill Cleanup Methods

- Absorb using sand or inert absorbent material

- Transfer to suitable containers
- Dispose according to local regulations

SECTION 7: Handling and Storage

Handling

- Use proper industrial hygiene practices
- Avoid contamination
- Avoid excessive heat exposure
- Keep containers closed when not in use

Storage

Store in:

- Cool
- Dry
- Well-ventilated areas

Keep away from:

- Strong oxidizing agents
- Direct sunlight
- Open flames

Recommended Storage Temperature

5°C – 35°C

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SECTION 8: Exposure Controls / Personal Protection

Exposure Limits

No specific occupational exposure limits established for pharmaceutical-grade mineral oil under normal handling conditions.

Engineering Controls

- Ensure adequate ventilation
- Control oil mist generation

Personal Protective Equipment (PPE)

Eye Protection

Safety glasses recommended.

Hand Protection

Protective gloves recommended for prolonged contact.

Respiratory Protection

Not normally required under standard conditions.

Skin Protection

Standard industrial protective clothing.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Clear, colorless oily liquid
Odor	Odorless
Physical State	Liquid
Color	Water white

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Property	Value
pH	Not applicable
Boiling Point	>300°C
Flash Point	>160°C
Auto-Ignition Temperature	>300°C
Density @ 25°C	0.820 – 0.890 g/cm³
Solubility	Insoluble in water
Viscosity	Grade dependent
Vapor Pressure	Low
Evaporation Rate	Low
Pour Point	Below -6°C

SECTION 10: Stability and Reactivity

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat
- Strong oxidizers
- Open flames

Incompatible Materials

- Strong oxidizing agents
- Reactive chemicals

Hazardous Decomposition Products

Thermal decomposition may generate:

- Carbon monoxide
- Carbon dioxide
- Smoke

SECTION 11: Toxicological Information

Acute Toxicity

Low acute toxicity expected under normal use.

Skin Corrosion / Irritation

Not expected to cause irritation under standard conditions.

Serious Eye Damage / Irritation

May cause mild temporary irritation.

Respiratory Sensitization

Not expected to be sensitizing.

Carcinogenicity

Highly refined pharmaceutical mineral oils are generally considered non-carcinogenic when compliant with pharmacopeial standards.

Aspiration Hazard

Excessive ingestion may present aspiration hazard if vomiting occurs.

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SECTION 12: Ecological Information

Ecotoxicity

Limited ecological hazard under controlled use.

Persistence and Degradability

Expected to degrade slowly in the environment.

Bioaccumulative Potential

Low bioaccumulation potential expected.

Mobility in Soil

Low water solubility.

SECTION 13: Disposal Considerations

Dispose according to:

- Local regulations
- National regulations
- Industrial waste management guidelines

Do not discharge into drains or natural water systems.

SECTION 14: Transport Information

UN Number

Not regulated.

Transport Hazard Class

Not classified as dangerous goods.

Packing Group

Not applicable.

Marine Pollutant

No.

Transport Notes

Protect containers from:

- Physical damage
- Heat
- Contamination

SECTION 15: Regulatory Information

This product may comply with:

- USP (United States Pharmacopeia)
- BP (British Pharmacopoeia)
- EP (European Pharmacopoeia)
- FDA applicable standards
- GMP manufacturing requirements

Users must comply with applicable regional regulations.

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SECTION 16: Other Information

Recommended Applications

- Pharmaceutical formulations
- Ointments
- Cosmetic products
- Medical lubricants
- Personal care products
- Industrial healthcare applications

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The information contained in this MSDS is based on current technical knowledge and industrial experience. However, no warranty is expressed or implied regarding product suitability for specific applications. Users remain responsible for ensuring safe handling and regulatory compliance.

Document Information

Item	Details
Document Type	Material Safety Data Sheet (MSDS)
Product	Pharma Grade Liquid Paraffin
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