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MATERIAL SAFETY DATA SHEET (MSDS)

Liquid Paraffin Industrial Grade

SECTION 1: Identification of the Substance and Company

Product Identifier

Product Name: Liquid Paraffin Industrial Grade

Synonyms

- Industrial Grade Liquid Paraffin
- Industrial Liquid Paraffin
- Industrial White Oil
- Industrial Mineral Oil
- Technical Grade Liquid Paraffin
- White Mineral Oil for Industry
- Industrial Processing Oil

Recommended Uses

- Rubber processing
- Plastic and PVC manufacturing
- Textile processing
- Leather processing
- Industrial coatings
- Lubrication applications
- Industrial manufacturing processes

Restrictions on Use

Not intended for pharmaceutical, cosmetic, food, or medical applications unless specifically approved and certified.

Supplier Information

Company: BASEKIM

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Emergency Contact

Emergency Telephone Number: [Insert Emergency Number]

SECTION 2: Hazard Identification

GHS Classification

Under normal industrial use, this product is generally not classified as hazardous according to GHS criteria.

Hazard Classification

Aspiration Hazard – Category 1 *(may apply depending on viscosity grade)*

Signal Word

Danger

Hazard Statements

- H304: May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention

- P261: Avoid breathing mist or vapor.
- P280: Wear protective gloves and eye protection.

Response

- P301 + P310: IF SWALLOWED: Immediately call a poison center or physician.
- P331: Do NOT induce vomiting.

Storage

- P405: Store locked up.

Disposal

- P501: Dispose of contents and container according to local regulations.

GHS Label Elements

Pictogram:

⚠ Health Hazard

Potential Health Effects

Eye Contact

May cause temporary irritation.

Skin Contact

Prolonged exposure may cause mild skin irritation or dryness.

Inhalation

Oil mist may cause respiratory irritation.

Ingestion

May cause gastrointestinal discomfort. Aspiration into lungs may result in serious injury.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Highly Refined Mineral Oil	8042-47-5	95–100%

Impurities

No hazardous impurities present at reportable concentrations.

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SECTION 4: First Aid Measures

Eye Contact

Immediately flush eyes with clean water for at least 15 minutes.

Remove contact lenses if present.

Seek medical attention if irritation persists.

Skin Contact

Wash exposed skin thoroughly with soap and water.

Remove contaminated clothing.

Seek medical advice if irritation develops.

Inhalation

Move the affected person to fresh air.

Keep at rest.

Obtain medical attention if symptoms persist.

Ingestion

Do NOT induce vomiting.

Rinse mouth with water.

Seek immediate medical attention.

Aspiration into the lungs may cause chemical pneumonitis.

Most Important Symptoms

- Eye irritation
- Skin dryness
- Respiratory discomfort from mist
- Nausea if swallowed

Notes to Physician

Treat symptomatically.

Risk of aspiration should be considered.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Do not use direct water jets.

Specific Hazards

Combustion may produce:

- Carbon monoxide (CO)
- Carbon dioxide (CO_2)
- Hydrocarbon fumes

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Protective Equipment for Firefighters

Use:

- Self-contained breathing apparatus (SCBA)
- Full protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions

- Avoid contact with eyes and skin.
- Wear suitable PPE.
- Prevent slips caused by spilled material.

Environmental Precautions

Prevent entry into:

- Drains
- Sewers
- Surface water
- Soil

Methods for Cleanup

Small Spill:

- Absorb using sand, earth, or absorbent material.

Large Spill:

- Contain spill.
- Recover product using appropriate equipment.
- Dispose of waste according to regulations.

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SECTION 7: Handling and Storage

Safe Handling

- Avoid excessive mist generation.
- Use good industrial hygiene practices.
- Wash hands after handling.
- Keep containers closed when not in use.

Storage Conditions

Store in:

- Cool location
- Dry environment
- Well-ventilated area

Protect from:

- Direct sunlight
- Strong oxidizing agents
- Extreme temperatures

Storage Temperature

Recommended:

5°C – 40°C

SECTION 8: Exposure Controls / Personal Protection

Occupational Exposure Limits

Oil Mist:

Organization	Limit
OSHA PEL	5 mg/m³
ACGIH TLV	5 mg/m³

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Engineering Controls

- Local exhaust ventilation
- General workplace ventilation

Personal Protective Equipment (PPE)

Eye Protection

- Safety glasses
- Chemical goggles when splash risk exists

Hand Protection

- Nitrile gloves
- Neoprene gloves

Skin Protection

- Protective work clothing

Respiratory Protection

Normally not required.

Use approved respirator if oil mist exceeds exposure limits.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Clear Liquid
Color	Colorless to Water White
Odor	Mild Petroleum Odor

Property	Value
Physical State	Liquid
pH	Not Applicable
Melting Point	Not Determined
Boiling Point	>300°C
Flash Point	>180°C
Auto-Ignition Temperature	>320°C
Vapor Pressure	Very Low
Relative Density	0.840–0.880
Solubility in Water	Insoluble
Viscosity @ 40°C	15–100 cSt (Grade Dependent)
Evaporation Rate	Low
Explosive Properties	Not Explosive
Oxidizing Properties	Not Oxidizing

SECTION 10: Stability and Reactivity

Reactivity

Stable under normal conditions.

Chemical Stability

Stable when properly stored.

Possibility of Hazardous Reactions

No hazardous polymerization expected.

Conditions to Avoid

- Excessive heat
- Open flames

- Strong ignition sources

Incompatible Materials

- Strong oxidizing agents

Hazardous Decomposition Products

May produce:

- Carbon monoxide
- Carbon dioxide
- Hydrocarbon smoke

SECTION 11: Toxicological Information

Likely Routes of Exposure

- Skin contact
- Eye contact
- Inhalation of mist
- Ingestion

Acute Toxicity

Low acute toxicity expected.

Typical Values

Test	Result
Oral LD50 (Rat)	>5000 mg/kg
Dermal LD50 (Rabbit)	>5000 mg/kg

Skin Corrosion/Irritation

May cause mild irritation after prolonged exposure.

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Serious Eye Damage

May cause temporary irritation.

Respiratory Sensitization

Not expected.

Skin Sensitization

Not expected.

Carcinogenicity

Highly refined mineral oils are generally not classified as carcinogenic under normal industrial use.

SECTION 12: Ecological Information

Ecotoxicity

Low aquatic toxicity expected.

Persistence and Degradability

Inherently biodegradable over time.

Bioaccumulative Potential

Low to moderate.

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Mobility in Soil

Low mobility due to insolubility in water.

Environmental Precautions

Avoid uncontrolled environmental release.

SECTION 13: Disposal Considerations

Dispose according to:

- Local regulations
- Regional regulations
- National regulations

Recommended Disposal

- Licensed waste contractor
- Approved recycling or recovery facility where applicable

Do not discharge into drains or waterways.

SECTION 14: Transport Information

Regulation	Classification
UN Number	Not Regulated
UN Proper Shipping Name	Not Applicable
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated
Marine Pollutant	No

Transport in sealed containers.

Protect against leakage.

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SECTION 15: Regulatory Information

This product should be handled according to applicable industrial chemical regulations.

Users are responsible for ensuring compliance with:

- OSHA requirements
- REACH requirements (where applicable)
- Local environmental regulations
- Workplace safety regulations

SECTION 16: Other Information

Revision Information

Document Type: Material Safety Data Sheet (MSDS)
Product: Liquid Paraffin Industrial Grade
Revision Number: 1.0
Issue Date: [Insert Date]
Review Date: [Insert Date]

Abbreviations

- OSHA – Occupational Safety and Health Administration
- ACGIH – American Conference of Governmental Industrial Hygienists
- PPE – Personal Protective Equipment
- GHS – Globally Harmonized System
- SCBA – Self-Contained Breathing Apparatus
- LD50 – Median Lethal Dose