



Material Safety Data Sheet (MSDS) — White Oil

Product name: White Oil (Mineral White Oil / Liquid Paraffin)

Supplier/Manufacturer: Basekim Chemical Production Co. — UAE / Turkey

Recommended uses: Pharmaceutical, cosmetic, food-processing, plastics, textile, and general industry applications where a highly refined, colorless/odorless, stable oil is required.

1) Identification

- **Synonyms:** White mineral oil, liquid paraffin, light/heavy mineral oil
- **Use restrictions:** Not for use where a specialized grade (e.g., USP/NF/Ph.Eur, NSF H1) is legally required unless a Certificate of Conformance is provided.

2) Hazard Identification (GHS)

- **Classification:** Aspiration hazard, Category 1 (mineral oil); Eye/Skin irritation: Not classified to mild; Aquatic: Not classified (typical).
- **Signal word:** DANGER
- **Hazard statement:** May be fatal if swallowed and enters airways.
- **Precautionary statements:**
 - IF SWALLOWED: Immediately call a poison center or doctor.
 - Do not induce vomiting.
 - Avoid release to the environment.
 - Wear gloves/eye protection if splash risk.

3) Composition / Information on Ingredients

Component	CAS Number	Concentration (%)
White mineral oil (highly refined saturated hydrocarbons)	8042-47-5	99–100

Trace processing aids may be present below disclosure limits. Aromatic species are fully removed during refining.



4) First-Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist.
- **Skin:** Wash with soap and water; remove contaminated clothing.
- **Eyes:** Rinse thoroughly with water for several minutes. Remove contact lenses if present. Seek care if irritation persists.
- **Ingestion:** **Do not induce vomiting.** Call poison center or doctor immediately.

5) Fire-Fighting Measures

- **Suitable media:** Foam, CO₂, dry chemical; water fog for cooling containers.
- **Hazards:** Combustion may produce CO, CO₂, and irritating smoke. Oil mist may ignite at high temperatures.
- **Flash point:** >180 °C (grade-dependent).

6) Accidental Release Measures

- **Personal precautions:** Avoid slips; wear gloves and eye protection if spill cleanup needed.
- **Environmental precautions:** Prevent entry into drains or waterways.
- **Cleanup:** Absorb with inert material such as sand or earth. Collect and dispose of properly.

7) Handling & Storage

- **Handling:** Avoid high-temperature misting. Keep containers closed when not in use. Follow proper hygiene practices.
- **Storage:** Store in a cool, dry, well-ventilated area, away from strong oxidizing agents.

8) Exposure Controls / Personal Protection

- **Exposure limit:** ACGIH TWA 5 mg/m³ for mineral oil mist (check local regulations).
- **Engineering controls:** General ventilation is adequate; local exhaust if mist forms.



- **PPE:**
 - Safety glasses if splash risk.
 - Nitrile gloves for prolonged handling.
 - Respirator if mist exceeds exposure limits.

9) Physical & Chemical Properties

Property	Typical Range
Appearance	Clear, colorless, odorless liquid
Density @ 15°C	0.83 – 0.88 g/mL
Kinematic Viscosity @ 40°C	10 – 100 cSt (grade dependent)
Kinematic Viscosity @ 100°C	3 – 12 cSt
Viscosity Index	90 – 105
Pour Point	-6 to -15 °C
Flash Point (Closed Cup)	>180 °C

Exact values to be confirmed by Certificate of Analysis for each batch.

10) Stability & Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to avoid:** Strong oxidizers and excessive heat.
- **Hazardous decomposition:** CO, CO₂, smoke under combustion.

11) Toxicological Information

- **Acute toxicity:** Low toxicity for refined white oil.
- **Main hazard:** Aspiration into lungs if swallowed or vomited.
- **Skin:** Repeated exposure may dry skin.
- **Eyes:** Mild irritation possible.
- **Inhalation:** Oil mist may cause slight respiratory irritation.

12) Ecological Information

- **Aquatic toxicity:** Not expected to be acutely toxic.
- **Environmental effects:** May form film on water surfaces.



- **Persistence:** Hydrocarbon fractions degrade slowly in environment.

13) Disposal Considerations

- Recycle or recover if possible.
- Dispose according to local regulations as non-hazardous oily waste.

14) Transport Information

- Generally **not regulated** due to high flash point.
- Ship as “Non-hazardous lubricating oil” unless special marine pollutant rules apply.

15) Regulatory Information

- White oils are refined to meet purity standards for medicinal, cosmetic, and food applications, depending on grade certification.
- Confirm compliance documentation with each batch.

16) Other Information

- **Revision Date:** [Insert date]
- **Prepared by:** Basekim Technical/Safety Team