Safety Data Sheet · OSHA HCS 2024

White Mineral Oil - Light NF Food Grade

Standard	Revised	Emergency
OSHA HCS 2024 · GHS Rev. 7	2026-11-24	Chemtel 1-800-255-3924 (24/7)

1 Identification

Product Identifier	White Mineral Oil - Light NF Food Grade
CAS Number	8042-47-5
Chemical Formula	`Complex mixture of saturated hydrocarbons (about C15–C50)`
Manufacturer	Alliance Chemical 204 South Edmond Street, Taylor, TX 76574
Emergency Phone	Chemtel 1-800-255-3924 (24/7)
Synonyms	Light mineral oil; white mineral oil (petroleum); liquid paraffin; paraffin oil; white oil
Recommended Use	Conditioning cutting boards, butcher blocks and wooden utensils; lubrication of food-processing and packaging equipment where incidental food contact may occur; base oil for cosmetic, personal-care and laboratory formulations; rust protection; release agent.
Restrictions on Use	Not for use as a drug or laxative. Aspiration hazard: keep out of reach of children; do not induce vomiting if swallowed.

2 Hazard Identification



Health hazard

Classification	Aspiration hazard, Category 1
Signal Word	**Danger**
Hazard Statements	H304 May be fatal if swallowed and enters airways

Precautionary Statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Classification, hazard (H) and precautionary (P) statements and pictograms per OSHA HCS 2024 (29 CFR 1910.1200, Appendices A–C), aligned with GHS Rev. 7.

3 Composition / Information on Ingredients

Component	CAS No.	Formula	Concentration
White mineral oil (petroleum)	8042-47-5	–	100% (w/w)

Concentrations are nominal; lot-specific values appear on the Certificate of Analysis. Components not contributing to classification are omitted.

4 First-Aid Measures

Eyes	Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
Skin	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.
Inhalation	Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.
Most Important Symptoms and Effects	Aspiration into the lungs, for example during vomiting, may cause chemical pneumonitis, which can be fatal.
Immediate Medical Attention and Special Treatment	Aspiration hazard: if swallowed, do not induce vomiting and get medical attention immediately. Note to physician: observe for chemical pneumonitis; protect the airway before any gastric procedure.

5 Fire-Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical, or CO2. Use measures appropriate to local circumstances.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Chemical	Containers may rupture when heated.
Protective Equipment	Wear self-contained breathing apparatus and full protective clothing.
Hazardous Combustion Products	None expected under normal conditions. Combustion gives carbon monoxide, carbon dioxide and unidentified organic compounds.

6 Accidental Release Measures

Personal Precautions	Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent leakage or spillage from entering drains, sewers, or waterways.
Containment & Cleanup	Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations.

7 Handling and Storage

Safe Handling	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
Safe Storage	Store in a cool, dry, well-ventilated area. Keep away from incompatible materials (see Section 10). Keep containers tightly closed.
Specific Storage Precautions	Keep containers closed in a cool, dry, well-ventilated area away from strong oxidizers, heat and ignition sources. Store locked up and out of reach of children. Do not pressurize, cut, weld or heat empty containers.

8 Exposure Controls / Personal Protection

Occupational Exposure Limits

Limit	Value
OSHA PEL	5 mg/m^3 TWA (oil mist, mineral)
ACGIH TLV	5 mg/m^3 TWA, inhalable fraction (mineral oil, pure, highly and severely refined)
NIOSH REL	5 mg/m^3 TWA; 10 mg/m^3 STEL (oil mist, mineral)
IDLH	2,500 mg/m^3 (oil mist, mineral)

Engineering Controls	Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.
Eye/Face Protection	Wear chemical safety goggles or face shield.
Skin Protection	Wear chemical-resistant gloves and protective clothing.
Respiratory Protection	Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.

Exposure limits sourced from NIOSH Pocket Guide, OSHA 29 CFR 1910.1000 and ACGIH TLVs.

9 Physical & Chemical Properties

Appearance	Clear, colorless liquid
Odor	Odorless to faint petroleum odor
Odor Threshold	No data available
pH	Not applicable
Melting Point / Freezing Point	Not applicable (SDS §9)
Boiling Point	Initial boiling point 315 °C (599 °F)
Flash Point	154–188 °C (309–370 °F), Cleveland open cup (typical)
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	< 0.01 mmHg at 37.8 °C (100 °F)
Vapor Density	> 1 (air = 1)
Relative Density	0.831–0.853 at 15.6 °C (water = 1)
Solubility	Insoluble in water; soluble in hydrocarbons
Partition Coefficient (n-octanol/water)	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	6.70 mm^2/s minimum at 40 °C (104 °F)
Particle Characteristics	Not applicable
Form	Liquid

Values shown reflect product-specific canonical data. Lot-specific ranges may vary; see the Certificate of Analysis for the shipped lot.

10 Stability and Reactivity

Reactivity	Not reactive under normal conditions of use and storage.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing conditions.
Conditions to Avoid	Heat, open flames and other ignition sources; contact with strong oxidizers. Static charge can accumulate during transfer: bond and ground.
Incompatible Materials	Strong oxidizing agents (chlorates, nitrates, peroxides) and strong acids.
Hazardous Decomposition Products	None expected under normal conditions. Combustion gives carbon monoxide, carbon dioxide and unidentified organic compounds.

11 Toxicological Information

See below for route-specific acute toxicity data.

Likely Routes of Exposure	Inhalation, skin contact, eye contact, ingestion.
Symptoms	Aspiration into the lungs, for example during vomiting, may cause chemical pneumonitis, which can be fatal.
Delayed and Chronic Effects	No delayed or chronic effects identified beyond the classification in Section 2.

Route	Value
LD50 Oral	> 5,000 mg/kg (rat)

Carcinogen Classification

Agency	Status
IARC	Group 3 — not classifiable as to its carcinogenicity to humans (White mineral oil (petroleum); IARC agent: Mineral oils, highly-refined, Vol. 33, Sup 7).
NTP	Not listed as carcinogen.
OSHA	Not listed as carcinogen.

12 Ecological Information

Ecotoxicity	Data not available. Avoid release to the environment.
Persistence & Degradability	Not Available
Bioaccumulative Potential	Not Available
Mobility in Soil	Not Available

13 Disposal Considerations

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

EPA RCRA Waste Codes	Not a P- or U-listed waste and not ignitable (flash point above 60 °C). Used oil is managed under 40 CFR 279. The generator makes the final determination.

14 Transport Information

Not regulated for transport under US DOT 49 CFR Subchapter C, IMDG, or IATA DGR.

15 Regulatory Information

Inventory / List	Status
California Proposition 65	Not listed
US EPA TSCA Active Inventory	Listed
EPCRA SARA 313 (TRI)	Not listed
CERCLA Reportable Quantity (RQ)	Not a CERCLA hazardous substance (no RQ) and not an EPCRA Section 313 chemical.

SARA 311/312 hazard categories correspond to the GHS classification in Section 2. Data retrieved as of: California Proposition 65 2026-11-02; US EPA TSCA Active Inventory 2026-11-02; EPCRA SARA 313 (TRI) 2026-11-02.

16 Other Information

Revision Date	2026-11-24
Format	16-section format per OSHA HCS 2024 (29 CFR 1910.1200, Appendix D), aligned with GHS Rev. 7.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. It relates only to the specific product identified and does not relate to its use in combination with other materials. ALLIANCE CHEMICAL MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLIANCE CHEMICAL DOES NOT ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE, OR EXPENSE ARISING FROM THE HANDLING, STORAGE, USE, OR DISPOSAL OF THIS PRODUCT.

Alliance Chemical, 204 South Edmond Street, Taylor, TX 76574. Published by Alliance Chemical from first-party canonical product data. Our authority is hands-on chemical handling, DOT/GHS-compliant shipping, and government-registered distribution — not bench chemistry. This Safety Data Sheet is prepared from the regulatory data on file for this product.