



MATERIAL SAFETY DATA SHEET (MSDS)

Product Name: Foots Oil (Residue Wax)

Synonyms: Residue Wax, Slack Wax By-Product, Industrial Foots Oil

Recommended Use: Industrial applications including rubber, lubricants, grease, textiles, and adhesives.

Supplier: Basekim

1. PRODUCT IDENTIFICATION

Item	Information
Product Name	Foots Oil
CAS Number	Mixture (petroleum-derived)
Chemical Family	Petroleum hydrocarbon wax by-product
Physical Form	Semi-solid waxy material
Color	Pale Yellow to Amber
Odor	Mild petroleum odor
Relevant Identified Uses	Lubricants, rubber processing, textile finishing, match and shoe industry

2. HAZARD IDENTIFICATION

GHS Classification: Not classified as hazardous under GHS criteria.

Hazard Overview:

- Combustible when heated to high temperatures
- May cause mild skin or eye irritation upon prolonged contact
- Not classified as acutely toxic

GHS Pictograms: None required

Signal Word: None

Hazard Statements:

- H228: Flammable solid if heated
- H316: Causes mild skin irritation (prolonged contact)



Precautionary Statements:

- P210: Keep away from heat, sparks, open flames.
- P261: Avoid breathing vapors when heated.
- P280: Wear protective gloves and eye protection.
- P302+P352: Wash skin thoroughly if contact occurs.
- P332+P313: Seek medical advice if skin irritation develops.
- P370+P378: In case of fire, use foam, dry chemical, or CO₂ extinguishers.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Approx. %
Paraffinic Hydrocarbons	8002-74-2	55–75%
Residual Mineral Oil	8042-47-5	20–30%
Microcrystalline Wax	63231-60-7	3–10%
Trace Aromatics	Mixture	<5%

Note: This is a mixture; exact composition may vary between batches.

4. FIRST AID MEASURES

Inhalation:

- Move to fresh air immediately.
- If breathing is difficult, administer oxygen.
- Seek medical attention if symptoms persist.

Skin Contact:

- Wash affected area with soap and water.
- Remove contaminated clothing.
- Seek medical attention if irritation persists.

Eye Contact:

- Rinse eyes thoroughly with water for at least 15 minutes.
- Seek medical advice if irritation persists.

Ingestion:

- Do NOT induce vomiting.



- Rinse mouth with water.
- Seek medical attention if large quantities are swallowed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

- Dry chemical, foam, carbon dioxide (CO₂)

Unsuitable Extinguishing Media:

- High-pressure water jets (may spread fire)

Fire and Explosion Hazards:

- Combustible solid; may melt and flow when heated
- Vapors from heated Fools Oil can ignite

Special Protective Equipment:

- Firefighters should wear full protective gear and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

- Avoid direct contact with skin or eyes
- Ensure adequate ventilation

Environmental Precautions:

- Prevent entry into drains, water bodies, and soil

Cleanup Methods:

- Scoop up solid wax and place into suitable containers
- For spills of melted wax, allow to solidify, then collect
- Wash affected area with water and detergent



7. HANDLING AND STORAGE

Handling:

- Avoid direct contact with skin and eyes
- Use gloves and protective clothing
- Keep away from heat sources and open flames

Storage:

- Store in cool, dry, well-ventilated areas
- Keep containers tightly closed
- Temperature range: 15–35°C
- Avoid contamination with water or oxidizing materials

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

- No specific occupational exposure limits established. Follow general petroleum wax precautions.

Engineering Controls:

- Local exhaust ventilation for heated operations

Personal Protective Equipment (PPE):

- Gloves: Chemical-resistant
- Eye protection: Safety goggles
- Clothing: Protective industrial clothing
- Respiratory: Use respirator if vapors are present at high temperatures



9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Semi-solid wax
Color	Pale yellow to amber
Odor	Mild petroleum
Melting Point	50–60°C
Flash Point (COC)	≥180°C
Density @ 20°C	0.85–0.92 g/cm ³
Solubility	Soluble in hydrocarbon solvents
Vapor Pressure	Negligible at room temperature
Autoignition Temperature	>300°C

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid:

- Open flames, sparks, excessive heat

Incompatible Materials:

- Strong oxidizing agents

Hazardous Decomposition Products:

- Carbon oxides (CO, CO₂) when burned

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** Low oral and dermal toxicity
- **Skin Irritation:** May cause mild irritation on prolonged contact
- **Eye Irritation:** May cause temporary redness
- **Carcinogenicity:** No components are classified as carcinogens
- **Sensitization:** Not known to cause sensitization



12. ECOLOGICAL INFORMATION

- Low solubility in water
- Avoid release into aquatic environments
- May form a film on water surfaces, affecting oxygen transfer

13. DISPOSAL CONSIDERATIONS

- Dispose of according to local regulations for petroleum waxes
- Do not incinerate in open areas
- Reuse or recycle when possible

14. TRANSPORT INFORMATION

Transport Mode	Classification
UN Number	Not regulated (subject to local regulations)
UN Proper Shipping Name	N/A
Hazard Class	N/A
Packing Group	N/A
Labeling	None required

Note: For bulk heated transport, treat as combustible material.

15. REGULATORY INFORMATION

- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Compliant with GHS standards
- May be REACH compliant in EU

16. OTHER INFORMATION

Prepared By: Basekim Technical Team

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Disclaimer: The information provided is accurate to the best of our knowledge. Users are responsible for determining suitability for their application.