



## MSDS — Residue Wax / Foots Oil Wax

**Product Name:** Residue Wax (Foots Oil Wax)**Supplier / Manufacturer:** Basekim Chemical Production Co., Turkey / UAE**Use:** By-product in paraffin wax production; raw material for lubricants, grease, match making, rubber/shoe/plastic industries; fuel brick component; etc. [Basekim](#)

## Section 1: Identification

Field	Information
Product Identifier	Residue Wax / Foots Oil Wax
Synonyms	Foots Oil Wax; Residue Wax Oil
CAS / Chemical Family	Mixture of petroleum wax & hydrocarbon oils (wax + heavy oil fractions)
Relevant Uses	Matches; lubricants; grease raw material; fuel bricks; rubber, shoe, plastic, polish, matchbox, tire industries <a href="#">Basekim</a>
Supplier Contact	Basekim Chemical Production Co. – Turkey & UAE offices <a href="#">Basekim</a>

## Section 2: Hazard Identification

**Likely GHS Hazard Classification:**

- Skin Irritation (Category 2)
- Eye Irritation (Category 2A)
- May be harmful if inhaled (vapors/fumes if heated)
- Hazardous to aquatic life with long lasting effects

**Signal Word:** WARNING**Hazard Statements (Examples):**

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation (if inhaled vapour/fume).
- H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves / eye protection / protective clothing.



- P271: Use only outdoors or in a well-ventilated area.
- P273: Avoid release to the environment.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.

### Section 3: Composition / Information on Ingredients

Component	Approximate % by weight*	Notes
Wax / heavier hydrocarbons	~ 50-60 %	Solid / semi-solid fraction after processing (wax content) <a href="#">Basekim</a>
Oil / liquid hydrocarbon fraction	~ 40-50 %	The liquid residue part (unsaturated or less refined hydrocarbons) <a href="#">Basekim</a>
Impurities / Solid particles	minor (< a few %)	Residual impurities from slack wax pressing, de-coloring, etc.

\*Exact values should be confirmed via batch-specific Certificate of Analysis.

### Section 4: First Aid Measures

- **Eye Contact:** Rinse with plenty of clean water for at least 15 minutes. Remove contact lenses if present. Seek medical help if irritation persists.
- **Skin Contact:** For solid material, wash with soap and water. For molten wax / hot splashes, cool immediately with cool water; do not peel off; seek medical attention if burns occur.
- **Inhalation:** If vapors or fumes are produced (e.g. when heating), move to fresh air. If breathing difficulty or symptoms persist, seek medical attention.
- **Ingestion:** If swallowed, rinse mouth. Do not induce vomiting unless medical advice requires it. Get medical attention if large amounts ingested or if discomfort develops.

### Section 5: Firefighting Measures

- **Flash Point (liquid / molten fraction):** ~ 241-255 °C [Basekim](#)
- **Auto-ignition temperature:** (need lab value)
- **Extinguishing Media:** Foam, dry chemical powder, CO<sub>2</sub>.
- **Unsuitable Media:** Water jets may spread molten wax / oil.



- **Special Fire Hazards:** Burning residue wax produces smoke, soot; combustion may produce CO, CO<sub>2</sub>, and other hydrocarbon fragments.
- **Protection for Firefighters:** Self-contained breathing apparatus; flame-resistant protective clothing; face / eye protection.

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## Section 6: Accidental Release Measures

- **Personal Precautions:** Use protective gloves, eye protection; avoid skin contact and inhalation of fumes if heated.
- **Environmental Precautions:** Prevent residue from entering drains, waterways, soil. Oil-wax mixtures can form films.
- **Cleanup Methods:** Allow molten product to cool and solidify; scoop / scrape solid material; use absorbent materials (earth, sand) for oily residue; collect into sealed containers; clean surfaces with detergent / hot water.

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## Section 7: Handling and Storage

- **Handling:** Avoid heating above needed temperature; control vapors / fumes; avoid splashes; good hygiene.
- **Storage:** Store in sealed steel drums; in a cool, dry place; away from heat or open flames; avoid moisture and contamination. Bags are not used for packing to avoid leakage. [Basekim](http://Basekim)

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## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Use local OELs for hydrocarbon vapors / mists; ensure worker exposure is below applicable limits when heating or melting.
- **Engineering Controls:** Ventilation; closed processing where feasible; use extraction if vapors/fumes present.
- **Personal Protective Equipment (PPE):**
  - Eye protection: goggles or full-face shield.
  - Skin protection: gloves (oil and heat resistant if needed), protective clothing.
  - Respiratory protection: if vapors / fumes exceed limits, use appropriate respirator.
  - Hygiene: wash hands; change clothing if contaminated; avoid eating / drinking in handling area.



## Section 9: Physical & Chemical Properties

Property	Typical Value / Range*
Physical State at room temp	Dark, viscous liquid or semi-solid; soft wax/oil mix — liquid residue wax nature <a href="#">Basekim</a>
Color	Yellow to brown <a href="#">Basekim</a>
Odor	Petroleum / wax / hydrocarbon odor
Oil Content	~ 40-50 % <a href="#">Basekim</a>
Wax / Solid Content	~ 50-60 % <a href="#">Basekim</a>
Drop Melting / Softening Point	~ 40-45 °C <a href="#">Basekim</a>
Flash Point (liquid / molten)	~ 241-255 °C <a href="#">Basekim</a>
Density	(To be provided by lab; likely ~0.90-0.95 g/cm <sup>3</sup> depending on oil/wax composition)
Solubility	Insoluble in water; soluble in hydrocarbon / organic solvent mixes

## Section 10: Stability and Reactivity

- **Chemical Stability:** Stable under normal condition (room temperature, storage in sealed containers).
- **Conditions to Avoid:** Excessive heat; open flames; contact with strong oxidisers; uncontrolled heating.
- **Incompatible Materials:** Strong oxidizing agents, halogens, acids.
- **Hazardous Decomposition Products:** On burning: CO, CO<sub>2</sub>, smoke, possible hydrocarbons / aromatic compounds depending on impurities.

## Section 11: Toxicological Information

- **Acute Toxicity:** Low under normal handling; ingestion likely low risk; risk increases if vapors / fumes are inhaled or hot material contacts skin.
- **Skin Contact:** May cause mild irritation; burns possible from hot / molten product.
- **Eye Contact:** Irritation or damage from splashes (especially molten wax/oil).
- **Inhalation:** Vapors or fumes can irritate respiratory tract.
- **Chronic Effects:** Frequent exposure to vapors / impurities could lead to respiratory or dermal issues; possible cumulative effects depending on hydrocarbon impurities.





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## Section 12: Ecological Information

- **Aquatic Toxicity:** Likely harmful due to oil content; potential film formation on water.
- **Persistence & Degradability:** Wax components persistent; oil fraction somewhat degradable but slowly; overall environmental persistence likely.
- **Bioaccumulation:** Some hydrocarbon fractions may bioaccumulate.
- **Environmental Fate:** If released to water, will form films, settle; in soil may persist; cleanup difficult.

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## Section 13: Disposal Considerations

- Uncontaminated product: possible reuse in industrial applications or as fuel brick component.
- Contaminated product or waste: dispose according to local hazardous waste regulations.
- Incineration under controlled conditions is possible.
- Packaging (steel drums) should be cleaned / recycled if possible; avoid bagging due to leakage risk.

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## Section 14: Transport Information

- **UN Number:** Likely not classified under hazardous transport when solid / semi-solid; if molten or flammable vapors present, evaluation required.
- **Proper Shipping Name:** Residue Wax (Foots Oil Wax)
- **Hazard Class:** Usually non-regulated when solid; possible Class 3 if flammable liquid / vapors.
- **Packing Group:** If hazardous classification applies.
- **Marine Pollutant:** Possible due to oil content; check local transport regulations.

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## Section 15: Regulatory Information

- Regulatory compliance with GHS / local safety & environmental laws required.
- Labeling as irritant, aquatic hazard etc.
- If imported/exported, check customs / chemical control regulations and safety data provision.



## Section 16: Other Information

- **Revision Date:** [Insert Actual Date]
- **Prepared by:** Basekim Technical / Safety Team
- **Disclaimer:** Based on available product information and general knowledge. Batch-specific data (Certificate of Analysis) must be consulted. Users are responsible for safe handling and compliance with applicable local regulations.