



## Technical Data Sheet (TDS)

### Foots Oil (Residue Wax)

#### Product Identification

Item	Description
Product Name	Foots Oil
Alternative Name	Residue Wax
Product Type	Paraffin Wax By Product
Origin	Petroleum Refining Process
Appearance	Soft to Semi-Solid Waxy Material
Industry Applications	Rubber, Lubricants, Textile, Matches, Shoe Manufacturing

#### Product Description

Foots Oil, also known as Residue Wax, is a petroleum-derived waxy material obtained during the refining and deoiling of Slack Wax and paraffin wax products. It contains a relatively high oil content, which provides excellent lubricity, flexibility, and processing performance for a wide range of industrial applications.

Due to its cost-effectiveness and versatility, Industrial Foots Oil is widely used as a raw material in lubricant manufacturing, grease production, rubber processing, textile finishing, and other industrial sectors.

#### Typical Technical Specifications

Property	Test Method	Typical Value
Appearance	Visual	Yellow to Brown Semi-Solid Wax
Odor	Organoleptic	Mild Petroleum Odor
Oil Content	ASTM D721	20 – 30 wt%
Melting Point	ASTM D87	50 – 60°C
Penetration @ 25°C	ASTM D1321	40 – 80 dmm
Density @ 20°C	ASTM D1298	0.85 – 0.92 g/cm <sup>3</sup>
Viscosity @ 100°C	ASTM D445	5 – 15 cSt
Flash Point (COC)	ASTM D92	Min. 180°C
Ash Content	ASTM D482	Max. 0.05 wt%



Property	Test Method	Typical Value
Water Content	ASTM D95	Max. 0.20 wt%
Sulfur Content	ASTM D4294	Max. 0.50 wt%
Color	ASTM D1500	4.0 – 7.0
Solubility	-	Soluble in Hydrocarbon Solvents

*Values shown are typical and should not be considered as a sales specification.*

### Chemical Composition

Component	Typical Range
Paraffinic Hydrocarbons	55 – 75%
Residual Mineral Oil	20 – 30%
Microcrystalline Components	3 – 10%
Trace Aromatics	< 5%

### Key Characteristics

- High oil content
- Excellent lubricating properties
- Good flexibility and softness
- Stable performance during industrial processing
- Cost-effective alternative to fully refined waxes
- Suitable for blending and formulation applications
- Good thermal stability within operating temperatures

### Industrial Applications

#### Rubber and Tire Manufacturing

- Rubber compounding
- Tire processing
- Processing aid formulations
- Softening agent

#### Lubricants and Grease Production

- Grease thickener formulations



- Industrial lubricant blends
- Corrosion protection products

### Textile Industry

- Yarn lubrication
- Textile finishing
- Fiber processing aids

### Shoe and Leather Industry

- Leather treatment
- Waterproofing compounds
- Shoe polish manufacturing

### Match Industry

- Matchstick coating
- Combustion control formulations

### Additional Applications

- Adhesive production
- Wax blends
- Mold release agents
- Industrial coatings
- Dust suppression formulations

### Packaging

Foots Oil is commonly supplied in the following packaging options:

Packaging Type	Net Weight
Steel Drum	180 kg
Steel Drum	190 kg
Steel Drum	200 kg
Poly Bag	25 kg
Jumbo Bag	500 – 1,000 kg



Packaging Type	Net Weight
Bulk Tanker	Upon Request

Customized packaging may be available depending on customer requirements.

### Storage Conditions

- Store in a cool, dry, and well-ventilated area.
- Keep containers tightly closed when not in use.
- Protect from direct sunlight and heat sources.
- Recommended storage temperature: 15°C to 35°C.
- Avoid contamination with water and oxidizing materials.
- Rotate stock using FIFO (First In, First Out) inventory practices.

### Shelf Life

Under recommended storage conditions, Foots Oil maintains its properties for up to **24 months** from the production date.

### Handling Recommendations

- Use appropriate personal protective equipment (PPE).
- Wear protective gloves and safety glasses during handling.
- Avoid prolonged skin contact.
- Ensure adequate ventilation when heating the material.
- Use proper industrial hygiene practices.

### Safety Information

Parameter	Information
Hazard Classification	Generally Not Classified as Hazardous
Flash Point	Above 180°C
Environmental Impact	Avoid uncontrolled discharge
Transport Classification	Non-Dangerous Goods (subject to local regulations)

For detailed health and safety information, refer to the relevant Safety Data Sheet (SDS).



## Regulatory Status

Foots Oil is typically produced in compliance with applicable industrial quality management systems and may be supplied according to customer-specific requirements.

Common standards may include:

- ISO 9001 Quality Management
- ASTM Testing Standards
- REACH Compliance (where applicable)
- Customer-Specific Industrial Specifications