MATERIAL SAFETY DATA SHEET

SEMI REFINED PARAFFIN WAX – GRADE 64–68°C

1. IDENTIFICATION

Product name	Semi Refined Paraffin Wax
Grade	64–68°C
Company	MNF Company for Manufacturing Petroleum Products
Intended use	Industrial raw material for candles, coatings, polishes, packaging, rubber, board and other petroleum-wax applications.
Emergency telephone	Not provided – contact the supplier/company directly.

2. HAZARD IDENTIFICATION

GHS classification: Not classified as hazardous in the supplied solid form based on the information available for this product.

Signal word: None. GHS pictograms: None.

Important physical hazard: Molten wax is hot and may cause serious thermal burns. Heating above recommended processing temperatures may generate irritating fumes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Paraffin wax / petroleum wax	8002-74-2	100% (typical product composition)

4. FIRST-AID MEASURES

- Inhalation: Move to fresh air if exposed to fumes from heated product. Seek medical attention if symptoms persist.
- Skin contact – solid: Wash with soap and water.
- Skin contact – molten: Immediately cool the affected area with plenty of clean, cool water. Do not forcibly remove solidified wax from the skin. Obtain medical attention for significant burns.
- Eye contact: Flush cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion: Rinse mouth. Do not induce vomiting. Seek medical advice if unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, carbon dioxide or water fog/spray.

Unsuitable media: Avoid high-pressure water jets that may spread molten material.

Hazards: Burning may produce carbon oxides and irritating smoke/fumes. Firefighters should use suitable respiratory protection and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Solid spills: Allow material to cool/solidify where applicable, collect mechanically and place in suitable containers for reuse or disposal.

Molten spills: Keep personnel away, allow to cool where safe, and collect mechanically. Avoid contact with hot material.

Prevent entry into drains and waterways.

7. HANDLING AND STORAGE

- Handle in accordance with good industrial hygiene and safety practices.
- Avoid contact with molten wax and avoid breathing fumes generated during overheating.
- Store in a cool, dry, well-ventilated area away from strong oxidizing agents and ignition sources.
- Keep containers/packages closed and protected from moisture and physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Provide adequate general ventilation; local exhaust is recommended where wax is heated.

Eye protection: Safety glasses; use face shield when handling molten wax.

Hand protection: Heat-resistant gloves when handling hot/molten product; suitable protective gloves for routine solid handling.

Skin/body protection: Appropriate industrial work clothing.

Respiratory protection: Normally not required for solid product under normal conditions; use suitable protection where heating fumes or inadequate ventilation may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical / Specification
Appearance	White to off-white solid
Odour	Faint characteristic hydrocarbon odour
Melting point	64–68°C
Oil content	2.0–4.0 %
Saybolt colour	1 max
Kinematic viscosity @ 100°C	5.3–6.2 cSt
Penetration @ 25°C	20-25 (0.1 mm)
Congealing point	62–66°C
Density @ 25°C	0.885–0.905 g/cms
Solubility in water	Insoluble / negligible
Flammability	Combustible when sufficiently heated; exact flash point not established from supplied specification.
Flash Point	220-240

10. STABILITY AND REACTIVITY

Stable under normal storage and handling conditions.

Avoid excessive heating, open flames and contact with strong oxidizing agents.

Hazardous decomposition products may include carbon monoxide, carbon dioxide and irritating hydrocarbon fumes under fire/overheating conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Low toxicity is expected for the intact solid product under normal industrial use.

Skin/eye effects: Solid wax is generally expected to cause little irritation; molten product presents a thermal-burn hazard.

Inhalation: Vapours/fumes generated by overheating may irritate the respiratory tract.

Specific chronic effects: No product-specific data supplied for this SDS.

12. ECOLOGICAL INFORMATION

The product is expected to have low water solubility and may persist in the environment. Avoid uncontrolled release to soil, drains and waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging in accordance with applicable local, national and international regulations. Where possible, recover/recycle uncontaminated wax.

14. TRANSPORT INFORMATION

UN number: Not assigned / not regulated as dangerous goods in the supplied solid form, subject to applicable transport regulations.

ADR/RID, IMDG, IATA: Generally not regulated as dangerous goods when transported as solid paraffin wax. Verify the current classification for the actual shipment, packaging and destination.

15. REGULATORY INFORMATION

This SDS is prepared in a 16-section format consistent with the general structure of GHS/CLP-style safety data sheets. Regulatory status may vary by country and intended use. Users/importers are responsible for confirming applicable local requirements.

16. OTHER INFORMATION

Document: Material Safety Data Sheet (MSDS)

Product grade: 64–68°C

Prepared for: MNF Company for Manufacturing Petroleum Products

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