Table of Contents

1. Chemical Product
2. Composition and Information on Ingredients
3. Hazards Identification
4. First Aid Measures
5. Fire and Explosion Data
6. Accidental Release Measures
7. Handling and Storage
8. Exposure Controls/ Personal Protection
9. Physical and Chemical Properties
10. Stability and Reactivity Data
11. Toxicological Information
12. Ecological Information
13. Disposal Considerations
14. References
15. Appendices
16. Revision History

Page 1 of 7
### 1. Chemical Product

**Product Name:** Hard paraffin  
**Chemical name:** Paraffin wax  
**Synonyms:** Paraffin; Paraffin wax; Petroleum Wax, crystalline  
**Chemical Formula:** Not applicable

### 2. Composition and Information on Ingredients

**Composition:** Mixture of solid hydrocarbons consisting mainly of n-paraffin waxes.  
**Toxicological Data on Ingredients:** (LD50) Est. >2000 mg/kg (oral rat)

### 3. Hazards Identification

**Potential Acute Health Effects:** When hot, product will cause thermal burns if it comes in contact with skin, and will cause watering of the eyes when it comes in contact with them. If high concentrations are inhaled it may cause respiratory irritation.  
**Potential Chronic Health Effects:** Repeated or prolonged exposure is not known to aggravate medical condition.  
**CARCINOGENIC EFFECTS:** Not applicable  
**MUTAGENIC EFFECTS:** Not applicable  
**TERATOGENIC EFFECTS:** Not applicable  
**DEVELOPMENTAL TOXICITY:** Not applicable
4. First Aid Measures

**General measures:**

**Skin contact:** For contact with molten material, leave material on the skin and flush or immerse affected area(s) using cold water.

**Serious skin contact:** If burned by contact with hot material, cool molten material adhering to skin as quickly as possible and seek medical supervision for removal.

**Eye contact:** If in contact with fumes from molten wax, move victim away from exposure and flush eyes thoroughly with clean water. If in contact with the molten material, gently open eyelids and flush affected eye(s) with cold water. Seek medical attention if irritation or redness persists.

**Ingestion:** If the ingested material is solid it would not require first aid, but if the molten material is swallowed then immediate medical attention is needed.

**Serious ingestion:** Not applicable

**Inhalation:** If respiratory irritation, dizziness, nausea, or unconsciousness occurs move victim away from source of molten material fumes and seek medical attention. If breathing has stopped, use mouth-to-mouth resuscitation.

**Serious inhalation:** Not applicable

5. Fire and Explosion Data

**Flammability of the Product:** Not applicable

**Auto-Ignition Temperature:** Not applicable

**Flash points:** 225°C

**Flammable limits:** Not applicable

**Products of Combustion:** Burning may release oxides of carbon and other hazardous gases or vapours.
**Fire Hazards in Presence of Various Substances:** Not applicable

**Explosion Hazards in Presence of Various Substances:** Not applicable

**Fire fighting media and Instructions:** Wear protective gear, including the appropriate breathing mask. Equipment exposed to fire should be cooled with water and CO₂, foam, dry chemical powders, sand or earth should be used to control the fire.

**Special Remarks on Fire Hazards:** This material may burn, but will not ignite readily.

**Special Remarks on Explosion Hazards:** Not applicable

### 6. Accidental Release Measures

**NB:** Wear appropriate protective equipment/clothing including gloves before removing any spills.

**Spills:** Collect spilled material, securely seal into labelled containers and deliver for disposal or recover for re-use. If molten, contain the product and allow it to solidify. It might be absorbed by inert material. Rinse area and materials involved with water and detergent.

### 7. Handling and Storage

**Precautions:** Use only in well ventilated areas and avoid overheating and exposing product to flame, sparks, or other sources of ignition.

**Storage:** Keep container tightly closed and away from sources of heat or ignition. Store in a cool dry place, in a well ventilated area.
8. Exposure Controls/Personal Protection

Airborne Exposure Limits: Not applicable

Engineering Controls: Not applicable

Personal Protection: When product is molten, respiratory protection, the use of thermally-resistant gloves, eye protection and impervious clothing are required. When product is solid it is not considered as hazardous.

9. Physical and Chemical Properties

Physical state and appearance: Colourless or white translucent waxy mass
Odour: None to slight - characteristic
Taste: Not applicable
Molecular Weight: Not applicable
pH (1% solution/water): Not applicable
Boiling Point: 343°C
Melting Point: 58.9-62.2°C
Critical Temperature:
Specific Gravity (Water = 1): 0.92 @ 25°C
Vapour Pressure (mmHg): 0.75 at 20°C
Vapour Density: 0.88 - 0.92 g/cm³ at 20°C
Volatility: Not applicable
Odour Threshold: Not applicable
Water/Oil Distribution Coefficient: Not applicable
Ionicity (in Water): Not applicable
Dispersion Properties: Not applicable
Solubility: Insoluble in water but soluble in petroleum solvents.
10. Stability and Reactivity Data

**Stability**: Stable under normal conditions of use

**Corrosivity**: Not applicable

**Instability temperature**: Not applicable

**Conditions of Instability**: Excessive heat

**Incompatibles**: Strong oxidizing agents

**Polymerization**: Not applicable

11. Toxicological Information

**Toxicity to animals**: (LD50) Est. >2000 mg kg\(^{-1}\) [Oral rat]

**Effects on humans**:
- **Acute potential health effects**: Only molten wax may cause irritation and/or burns
- **Chronic potential health effects**:
  - **MUTAGENIC EFFECTS**: Not applicable
  - **TERATOGENIC EFFECTS**: Not applicable
  - **DEVELOPMENTAL TOXICITY**: Not applicable

**Other information**: Not applicable

12. Ecological Information

**Ecotoxicity**: Material is expected to have adverse effect on the environment.
13. Disposal Considerations

**Waste Disposal:** What is not recycled must be handled as hazardous waste and sent to an approved incinerator or disposed in an approved waste facility. Dispose in the container marked WATER INSOLUBLE NON-HALOGENATED WASTE.

14. References


15. Appendices

Not applicable

16. Revision History

<table>
<thead>
<tr>
<th>Version Number</th>
<th>Amendments/ Reasons for change</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Initial Release</td>
</tr>
</tbody>
</table>