



MATERIAL SAFETY DATA SHEET (MSDS) OF PARAFFIN WAX

Section 1: Identification of the Substance and Supplier

- **Product Name:** Paraffin Wax (Fully Refined / Semi Refined)
- **Chemical Name:** Paraffin waxes and Hydrocarbon waxes
- **CAS Number:** 8002-74-2
- **Recommended Use:** Candle manufacturing, coatings, rubber processing, cosmetics, and industrial lubricants.
- **Supplier Identification:** Basekim

Section 2: Hazard Identification

GHS Classification: Not classified as hazardous according to GHS criteria.

- **Physical Hazards:** Molten wax can cause severe thermal burns.
- **Health Hazards:** Vapors or fumes emitted at high temperatures may irritate the respiratory tract.
- **Environmental Hazards:** The substance is not classified as dangerous for the environment, though spills should be avoided to prevent soil/water contamination.
- **Label Elements:** No signal word or pictograms required for solid state.

Section 3: Composition/Information on Ingredients

Component	CAS Number	Concentration
Paraffin Waxes and Hydrocarbon Waxes	8002-74-2	100%

Export to Sheets

Section 4: First-Aid Measures

- **Skin Contact:** For contact with solid wax, wash with soap and water. If molten wax contacts the skin, do not attempt to peel it off. Flush the area immediately with cold water and seek medical attention for thermal burns.
- **Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. If irritation persists, consult a physician.
- **Inhalation:** Move the affected person to fresh air. If breathing is difficult, provide oxygen and seek medical advice.
- **Ingestion:** Do not induce vomiting. Paraffin wax is generally non-toxic, but professional medical advice is recommended if large quantities are ingested.



Section 5: Fire-Fighting Measures

- **Extinguishing Media:** Use dry chemical, CO₂, or foam. Do not use a direct water stream, as it may scatter and spread the fire.
- **Specific Hazards:** Carbon oxides and irritating smoke may form during thermal decomposition.
- **Protective Equipment:** Firefighters must wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6: Accidental Release Measures

- **Personal Precautions:** Wear heat-resistant gloves if handling molten material. Use non-slip footwear, as spilled wax creates a significant slip hazard.
- **Environmental Precautions:** Prevent the material from entering drains or watercourses.
- **Cleanup Methods:** Allow molten spills to solidify. Scrape up the solid wax and place it in a chemical waste container for disposal.

Section 7: Handling and Storage

- **Handling:** Avoid breathing fumes from heated wax. Ensure adequate ventilation in melting areas. Maintain temperatures below the flash point.
- **Storage:** Store in a cool, dry, well-ventilated warehouse. Keep away from strong oxidizing agents and direct sunlight. Maintain the integrity of the packaging (slabs or bags) to prevent contamination.

Section 8: Exposure Controls/Personal Protection

- **Control Parameters:** ACGIH TLV (TWA): 2 mg/m³ for paraffin wax fumes.
- **Engineering Controls:** Use local exhaust ventilation when heating the product.
- **Personal Protective Equipment (PPE):**
 - **Respiratory:** Use an approved dust/fume mask if ventilation is inadequate.
 - **Hands:** Use insulated gloves when handling molten wax.
 - **Eyes:** Safety glasses or goggles are recommended.

Section 9: Physical and Chemical Properties

- **Physical State:** Solid (at 20°C)
- **Color:** White to translucent
- **Odor:** Odorless to mild petroleum odor



- **Melting Point:** 50°C – 70°C (varies by grade)
- **Flash Point:** > 200°C (ASTM D92)
- **Solubility:** Insoluble in water; soluble in organic solvents.
- **Density:** Approximately 0.90 g/cm³

Section 10: Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical Stability:** Does not decompose at room temperature.
- **Conditions to Avoid:** Overheating (above flash point) and open flames.
- **Incompatible Materials:** Strong oxidizing agents.

Section 11: Toxicological Information

- **Acute Toxicity:** LD50 (Oral, Rat) > 5000 mg/kg.
- **Skin Irritation:** Non-irritating in solid form.
- **Sensitization:** No known sensitizing effects.
- **Carcinogenicity:** Not listed as a carcinogen by IARC, NTP, or OSHA.

Section 12: Ecological Information

- **Persistence and Degradability:** Inherently biodegradable but slow.
- **Bioaccumulative Potential:** Not expected to bioaccumulate.
- **Mobility in Soil:** Low mobility due to water insolubility.

Section 13: Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Paraffin wax can often be recycled or processed in industrial waste-to-energy facilities.

Section 14: Transport Information

- **DOT/IMDG/IATA:** Not regulated as a dangerous good for transport in solid form.
- **Note:** If transported in a molten state above 100°C, specific "Elevated Temperature" regulations apply.

Section 15: Regulatory Information

- **TSCA:** All components are listed on the TSCA inventory.
- **REACH:** Compliant with European Union chemical regulations.



Section 16: Other Information

The information provided in this SDS is correct to the best of our knowledge at the date of publication. It is designed only as a guide for safe handling, use, and disposal and is not a warranty or quality specification. Always conduct your own tests to determine the suitability of **Paraffin Wax** for your specific application.