



## Safety Data Sheet

### Fully Refined Paraffin Wax 0.5%

**SDS Version:** 1.0

**Product Name:** Fully Refined Paraffin Wax 0.5%

**Product Type:** Petroleum wax / refined hydrocarbon wax

**Recommended Use:** Candles, packaging, paper coating, cosmetics, rubber, polishes, adhesives, coatings, textile treatment, and industrial blending.

**Restrictions on Use:** Use only for approved industrial or commercial applications.

### 1. Identification

**Product Identifier:** Fully Refined Paraffin Wax 0.5%

**Synonyms:** Refined paraffin wax, white paraffin wax, petroleum wax, hydrocarbon wax, mineral wax

**Oil Content:** Max 0.5%

**Supplier:** Basekim

**Emergency Contact:** Add local emergency phone number before distribution.

### 2. Hazards Identification

#### GHS Classification

This product is generally not classified as hazardous under normal storage and handling conditions.

#### Main Hazards

Fully Refined Paraffin Wax 0.5% may create hazards when heated, melted, or burned.

#### Potential risks:

- Hot molten wax can cause thermal burns.
- Overheated wax may release irritating fumes.
- Wax spilled on floors can create a slip hazard.
- Dust or small particles may cause mild mechanical irritation.
- Combustion may produce carbon monoxide, carbon dioxide, smoke, and irritating vapors.



#### Signal Word

Not applicable under normal conditions.

#### Hazard Statements

Not classified as hazardous in solid form under normal handling.

#### Precautionary Statements

- Keep away from open flames and strong heat sources.
- Avoid overheating during melting.
- Use adequate ventilation when heating.
- Wear suitable protective gloves and eye protection when handling molten wax.
- Keep work areas clean to prevent slipping.
- Do not inhale fumes from overheated material.

### 3. Composition / Information on Ingredients

Component	CAS Number	Concentration
Paraffin waxes and hydrocarbon waxes	8002-74-2	100%

**Oil Content:** Max 0.5%

**Chemical Family:** Saturated hydrocarbon wax

**Impurities:** No hazardous impurities expected under normal product specifications.

### 4. First Aid Measures

#### Eye Contact

For solid wax, rinse eyes with clean water if particles cause irritation. Remove contact lenses if present and easy to do. Get medical advice if irritation continues.

For molten wax, cool the affected eye area with clean water and get immediate medical attention. Do not try to remove hardened wax from the eye.

#### Skin Contact

For solid wax, wash skin with soap and water.



For molten wax, cool the affected area immediately with clean running water. Do not pull hardened wax from the skin. Cover the area with a clean dressing and get medical help.

#### Inhalation

Move the person to fresh air if fumes from heated or overheated wax cause discomfort. Keep the person comfortable. Get medical attention if coughing, dizziness, or breathing difficulty continues.

#### Ingestion

Rinse mouth with water. Do not induce vomiting. Get medical advice if discomfort occurs.

#### Most Important Symptoms

Hot molten wax may cause thermal burns. Fumes from overheated wax may irritate the respiratory tract.

### 5. Fire Fighting Measures

#### Suitable Extinguishing Media

Use:

- Foam
- Dry chemical powder
- Carbon dioxide
- Water spray or fog

#### Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet on molten wax, because it may spread burning material.

#### Specific Fire Hazards

The product can burn when exposed to strong heat, open flame, or ignition sources. Combustion may produce smoke, carbon monoxide, carbon dioxide, and irritating fumes.



## Firefighter Protection

Firefighters should wear self-contained breathing apparatus and full protective clothing. Cool exposed containers with water spray.

## 6. Accidental Release Measures

### Personal Precautions

- Avoid contact with hot molten wax.
- Use protective gloves, eye protection, and safety footwear.
- Keep people away from spill areas.
- Remove ignition sources.
- Prevent slipping on spilled wax.

### Environmental Precautions

Do not allow large quantities to enter drains, waterways, or soil.

### Cleaning Method

For solid wax, sweep or shovel the material into suitable containers for reuse or disposal.

For molten wax, allow it to cool and solidify before removal. Scrape up solidified wax and place it in a suitable container.

## 7. Handling and Storage

### Handling

- Handle in clean and dry areas.
- Avoid contamination with dust, dirt, water, and incompatible materials.
- Avoid overheating during melting.
- Use local ventilation when heating the product.
- Keep away from flames, sparks, and hot surfaces.
- Use clean equipment for transfer and melting.

### Storage

Store in a cool, dry, clean, and well-ventilated area. Keep packaging closed until use. Protect from direct sunlight, heat, moisture, and strong odors.



**Recommended Storage Temperature:** Below 35°C  
**Shelf Life:** 24 months under proper storage conditions

## 8. Exposure Controls / Personal Protection

### Exposure Limits

No specific occupational exposure limit is established for solid paraffin wax under normal conditions. When heated, control exposure to fumes and vapors.

### Engineering Controls

Use general ventilation for normal handling. Use local exhaust ventilation during melting, spraying, or hot processing.

### Personal Protective Equipment

Protection Type	Recommendation
Eye Protection	Safety glasses; face shield for molten wax
Hand Protection	Protective gloves; heat-resistant gloves for molten wax
Skin Protection	Long-sleeve work clothing
Respiratory Protection	Usually not required; use suitable respiratory protection if fumes occur
Foot Protection	Safety shoes, especially in production and warehouse areas

### Hygiene Measures

Wash hands after handling. Do not eat, drink, or smoke in work areas. Remove contaminated clothing and clean it before reuse.

## 9. Physical and Chemical Properties

Property	Typical Value
Appearance	White solid wax
Odor	Low odor
Physical State	Solid at room temperature
Color	White
Oil Content	Max 0.5%
Melting Point	58–60°C typical
Congeaing Point	56–58°C typical



Property	Typical Value
Flash Point	220°C min
Boiling Point	Not applicable
Water Solubility	Insoluble
Solubility in Organic Solvents	Soluble in some hydrocarbons when heated
Density	Approx. 0.85–0.95 g/cm <sup>3</sup>
Vapor Pressure	Negligible at room temperature
Viscosity at 100°C	4–6 cSt typical
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined

## 10. Stability and Reactivity

### Reactivity

The product is stable and non-reactive under normal handling and storage conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid open flames, sparks, excessive heat, overheating, and strong oxidizing conditions.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, smoke, and irritating vapors.



## 11. Toxicological Information

### Likely Routes of Exposure

- Skin contact
- Eye contact
- Inhalation of fumes during hot processing
- Accidental ingestion

### Acute Toxicity

Low toxicity expected under normal handling conditions.

### Skin Corrosion / Irritation

Solid wax should not irritate skin under normal use. Hot molten wax can cause burns.

### Eye Damage / Irritation

Solid particles may cause mild mechanical irritation. Molten wax can cause serious thermal injury.

### Respiratory Effects

Fumes from overheated wax may irritate the nose, throat, and lungs.

### Sensitization

No sensitizing effect expected.

### Carcinogenicity

This product is not expected to present a carcinogenic hazard when it meets fully refined wax specifications.

## 12. Ecological Information

### Ecotoxicity

The product is not expected to be highly toxic to aquatic organisms, but large releases may cause physical pollution.



### Persistence and Degradability

The product is not readily biodegradable.

### Bioaccumulative Potential

Low mobility and low water solubility may limit environmental distribution.

### Mobility in Soil

The product has very low water solubility and low mobility in soil.

### Other Adverse Effects

Large spills can block drains, contaminate soil, and affect water surfaces physically.

## 13. Disposal Considerations

Dispose of waste according to local, regional, national, and international regulations.

Recommended disposal methods:

- Reuse or recycle clean material when possible.
- Send contaminated material to an approved waste handler.
- Do not discharge into drains, soil, or waterways.
- Dispose of packaging according to local waste rules.

## 14. Transport Information

### General Transport Classification

Fully Refined Paraffin Wax 0.5% is usually not classified as dangerous goods for transport.

Regulation	Classification
UN Number	Not regulated
Proper Shipping Name	Not regulated
Transport Hazard Class	Not regulated
Packing Group	Not regulated
Marine Pollutant	No



Regulation	Classification
Special Precautions	Protect from heat and physical damage

Transport the product in clean, dry, and secure packaging. Avoid exposure to high temperature during shipment.

## 15. Regulatory Information

This product should be handled according to applicable chemical safety, workplace safety, environmental, and transport regulations in the country of use.

Users must confirm compliance with local regulations before using the product in food-contact, cosmetic, pharmaceutical, or other regulated applications.

## 16. Other Information

### Recommended Use

Industrial and commercial use only.

### Disclaimer

The information in this Safety Data Sheet is based on typical data for Fully Refined Paraffin Wax 0.5% and is provided for safe handling, storage, transportation, and use. The data does not represent a product warranty or final regulatory approval. Users must test the product and confirm suitability for their own application, process, and local legal requirements.

### Revision Information

**Version:** 1.0

**Issue Date:** 2026

**Prepared For:** Fully Refined Paraffin Wax 0.5%