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Material Safety Data Sheet (MSDS)

Candle Wax

1. Product and Company Identification

Product Name: Candle Wax
Product Type: Wax for Candle Manufacturing
Recommended Use: Manufacturing of candles, wax melts, decorative wax products, and related applications.

2. Hazard Identification

Classification

This product is generally considered non-hazardous in solid form under normal conditions of use.

Physical Hazards

- Molten wax can cause thermal burns.
- Heated material may release fumes if overheated.
- Combustible at elevated temperatures.

Health Hazards

Eye Contact

Molten material may cause severe irritation or burns.

Skin Contact

Solid wax is generally non-irritating. Molten wax may cause thermal burns.

Inhalation

Fumes generated from overheating may cause respiratory irritation.

Ingestion

Low toxicity expected. Ingestion of large amounts may cause digestive discomfort.

Environmental Hazards

No significant environmental hazards known under normal conditions.

3. Composition / Information on Ingredients

Component	CAS Number	Concentration
Refined Wax Blend	Proprietary	95–100%
Additives / Stabilizers	Proprietary	0–5%

Exact composition may vary depending on wax type and formulation.

4. First Aid Measures

Eye Contact

- For molten wax exposure, immediately flush with cool water.
- Do not attempt to remove solidified wax from skin or eyes.
- Seek immediate medical attention.

Skin Contact

- For contact with molten wax, cool affected area with water.
- Do not peel solidified wax from skin.
- Seek medical attention for burns.

Inhalation

- Move affected person to fresh air.
- Seek medical attention if symptoms persist.

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Ingestion

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

5. Fire Fighting Measures

Suitable Extinguishing Media

- Foam
- Dry chemical
- Carbon dioxide (CO_2)
- Water fog

Unsuitable Extinguishing Media

Do not use direct water stream on molten material.

Specific Hazards

Burning may produce:

- Carbon monoxide (CO)
- Carbon dioxide (CO_2)
- Smoke and irritating fumes

Protective Equipment for Firefighters

Use self-contained breathing apparatus (SCBA) and protective clothing.

6. Accidental Release Measures

Personal Precautions

- Avoid slipping hazard from spilled material.
- Wear appropriate protective equipment.

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Environmental Precautions

Prevent large quantities from entering drains or waterways.

Cleanup Methods

Solid Material

Collect mechanically and place in suitable containers.

Molten Material

Allow material to solidify before removal.

7. Handling and Storage

Handling

- Avoid overheating.
- Use proper ventilation during melting operations.
- Avoid contact with molten wax.
- Keep away from ignition sources.

Storage

- Store in cool, dry, well-ventilated area.
- Keep containers closed when not in use.
- Protect from direct sunlight and excessive heat.

Recommended Storage Temperature

Below 35°C (95°F)

8. Exposure Controls / Personal Protection

Engineering Controls

Provide adequate ventilation during heating and melting.

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Personal Protective Equipment (PPE)

Eye Protection

Safety glasses or face shield when handling molten wax.

Hand Protection

Heat-resistant gloves.

Skin Protection

Protective clothing as necessary.

Respiratory Protection

Normally not required under standard conditions. Use respiratory protection if fumes are excessive.

9. Physical and Chemical Properties

Property	Typical Value
Appearance	White / Off-white solid
Odor	Mild / Neutral
Physical State	Solid
Melting Point	52–68°C
Flash Point	>180°C
Solubility in Water	Insoluble
Density	0.88–0.92 g/cm³
Auto-Ignition Temperature	>250°C
Viscosity (Molten)	Low to moderate

10. Stability and Reactivity

Chemical Stability

Stable under recommended storage and handling conditions.

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Conditions to Avoid

- Excessive heat
- Open flames
- Strong oxidizing agents

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Hydrocarbon fumes

11. Toxicological Information

Acute Toxicity

Expected to have low acute toxicity.

Skin Corrosion / Irritation

Not expected to be irritating in solid form.

Serious Eye Damage

Molten wax may cause thermal injury.

Respiratory Effects

Overheated fumes may irritate respiratory tract.

Chronic Effects

No known significant chronic health effects under normal use conditions.

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12. Ecological Information

Ecotoxicity

No significant ecological toxicity expected.

Persistence and Degradability

Expected to degrade slowly in the environment.

Bioaccumulative Potential

Not expected to bioaccumulate significantly.

Mobility in Soil

Low mobility due to insolubility in water.

13. Disposal Considerations

Dispose of material in accordance with local, regional, and national regulations.

- Recycle where possible.
- Do not discharge into drains or waterways.
- Incineration may be used in approved facilities.

14. Transport Information

UN Number

Not regulated.

Proper Shipping Name

Not regulated as dangerous goods.

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Transport Hazard Class

Not applicable.

Packing Group

Not applicable.

Environmental Hazards

Not classified as environmentally hazardous for transport.

15. Regulatory Information

This product may comply with applicable regulations including:

- REACH
- RoHS
- OSHA Hazard Communication Standard
- GHS Classification requirements (where applicable)

Users should verify compliance according to local regulations.

16. Other Information

Preparation Information

Prepared by: Technical / Regulatory Department

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1.0

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May 24, 2026