



MSDS / SDS – Candle Wax (Paraffin Candle Wax)

Section 1: Identification

- **Product Name:** Candle Wax (Paraffin Wax)
- **Recommended Use:** Candle manufacturing; industrial wax applications
- **Emergency Information:** Treat as combustible wax product

Section 2: Hazard Identification (GHS)

GHS Classification (typical):

- Not classified as hazardous under GHS **in solid form** for most paraffin wax grades.
- **Combustible solid.** Melted wax can cause burns. Vapors from overheated wax may irritate.

GHS Label Elements (typical):

- **Signal Word:** None (may vary by local rules)
- **Hazard Statements:**
 - May burn if exposed to ignition source.
 - Hot molten material can cause thermal burns.
- **Precautionary Statements:**
 - Keep away from heat/sparks/open flames.
 - Avoid breathing fumes from overheated wax.
 - Wear protective gloves/eye protection when handling molten wax.

Section 3: Composition / Information on Ingredients

- **Substance:** Paraffin wax (mixture of long-chain hydrocarbons)
- **CAS (generic):** Often listed as **8002-74-2** (paraffin wax)
- **Additives:** None, unless specified (some candle waxes include polymers/stearic)



Section 4: First Aid Measures

- **Inhalation:** Move to fresh air. If irritation persists, seek medical advice.
- **Skin Contact (solid):** Wash with soap and water.
- **Skin Contact (molten):** Cool with plenty of water. Do not remove solidified wax from skin. Seek medical attention for burns.
- **Eye Contact:** Rinse carefully with water for several minutes. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Get medical advice if discomfort occurs.

Section 5: Firefighting Measures

- **Suitable Extinguishing Media:** Foam, dry chemical powder, CO₂, sand.
- **Unsuitable Media:** High-pressure water jet (may spread molten wax).
- **Specific Hazards:** Combustion may produce CO/CO₂ and hydrocarbons.
- **Protective Equipment:** Self-contained breathing apparatus (SCBA) and full protective gear.

Section 6: Accidental Release Measures

- **Solid wax:** Sweep up and collect mechanically. Avoid slip hazard.
- **Molten wax:** Allow to cool and solidify, then scrape/collect.
- **Environmental:** Prevent entry into drains (can solidify and block systems).

Section 7: Handling and Storage

- Handle away from ignition sources.
- Avoid overheating during melting; use temperature control.
- Store in sealed packaging, cool and dry area, away from oxidizers.
- Keep away from strong odors (wax can absorb odors).

Section 8: Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation during melting.
- **PPE for molten wax handling:**
 - Heat-resistant gloves
 - Safety goggles/face shield



- Protective clothing
- **Respiratory:** Not normally needed; use if fumes present (overheating).

Section 9: Physical and Chemical Properties

Property	Typical Value
Physical State	Solid (flakes, slabs, pellets)
Color	White to off-white
Odor	Mild / nearly odorless (fully refined)
Melting Range	52–64°C (grade dependent)
Flash Point	>200°C (typical)
Density	~0.88–0.92 g/cm ³ (typical)
Solubility in Water	Insoluble

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Overheating, open flame, sparks.
- **Incompatible Materials:** Strong oxidizers.
- **Hazardous Decomposition:** CO, CO₂, hydrocarbons (on burning).

Section 11: Toxicological Information

- Low acute toxicity expected for solid wax.
- Hot fumes from overheating may irritate respiratory tract.
- Prolonged skin contact with molten wax may cause burns.

Section 12: Ecological Information

- Insoluble in water; may persist as solid material.
- Avoid release to environment and drains.

Section 13: Disposal Considerations

- Dispose in accordance with local regulations.
- Do not pour molten wax into drains.



Section 14: Transport Information

- Generally **not regulated** as dangerous goods for transport (solid paraffin wax).
(*Confirm per grade, additives, and local regulations.*)

Section 15: Regulatory Information

- Classification may vary by country/region.
- Provide local compliance statements as required.

Section 16: Other Information

- This SDS is a **general template** for candle-grade paraffin wax. Final SDS should match your exact grade and COA.