

MATERIAL SAFETY DATA SHEET  
CANDELILLA WAX



**1. Identification of Substance, Preparation and Company**

Product Name: Candellila Wax  
Company Name: Bathbomb.biz limited  
Company Address: 37 Worting Road  
Basingstoke  
Hampshire  
RG21 8TZ  
Emergency Phone Number: 01256 474889

**2. Composition Information on Ingredients**

Definition / Botanical Origin: Wax obtained from the Euphorbiaceous family of plants  
H-No:  
CAS No: 8006-44-8  
EINECS: 232-347-0  
TARRIFF No. 152 110 90 0

**3. Hazards Identification**

Eye contact: May cause irritation.  
Skin contact: Take care when handling hot wax.  
Inhalation: Presents no hazards  
Ingestion: Presents no industrial hazards.

**4. First Aid Measures**

Inhallation: No vapours present at normal temperatures.  
Eye Exposure: Rinse immediately with plenty of water for at least 15 mins.  
Contact a doctor if symptoms persist.  
Skin Exposure: Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.  
Ingestion: Not considered dangerous.  
Others: Use appropriate treatment in case of burnt skin



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**5. Fire Fighting Measures**

Extinguishing Media Recommended:  
Special Measures:  
Extinguishing Procedures:

Use CO<sub>2</sub>, Dry Powder or Foam type Extinguishers, Non flammable, but will burn in the event of a small fire.  
Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.  
Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

**6. Accidental Release Measures**

Personal precautions:  
Environmental precautions:  
Cleaning up methods for spillages:

Avoid contact with skin eyes and clothes. Note that spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.  
Keep away from drains, soils, surface & ground waters.  
Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material. Scrape up and remove to an approved disposal container. Observe local disposal regulations. Clean with cold water & detergents. Observe state, federal & local disposal regulations

**7. Handling and Storage**

Handling:  
Storage:  
Fire protection:

Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges. Handle molten material with care.  
Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light.  
Keep away from ignition sources and naked flame. Take precautions to avoid static discharges in working area.

**8. Exposure Controls / Personal Protection**

Respiratory protection:  
Skin protection:  
Eye protection:  
Work/Hygiene practices:

No special measures under normal conditions.  
No special measures under normal conditions.  
Use safety glasses if there is a risk of splashing  
Wash hands with soap & water after handling.



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**9. Physical and Chemical Properties**

Appearance:	Brown or yellowish brown.
Melting Point °C:	66 – 71
Specific Gravity @ 15°C:	0.9820 – 0.9856
Refractive Index @ 71°C:	1.4555
Saponification Value:	47 – 64
Ester Value:	40 – 47
Acid Value:	12.3 – 20.6
Unsaponifiable Matter:	47 – 62
Hydrocarbons:	40 – 60 %
Resins:	10 – 20 %
Moisture:	0.3 – 1.0 %
Iodine Value:	19 – 44
Colour in Toluene:	Yellow 2.0 – 4.0 Red 0.9 – 1.4
Myricillic Alcohol, Dihydroxy- Myricinoleic Acid, Lactones	30 – 40 %
Reichert Meisel Number:	0.5 – 7.6
Electric Rigidity:	23500 – 45,400
Solubility:	Slightly soluble in hot Acetone, alcohol, benzene and petroleum Ether.

**10. Stability and Reactivity**

Stability:	Stable under normal conditions of use
Reactivity:	Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents

**11. Toxicological Information**

Toxicity:	Non toxic material
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**12. Ecological Information**

Biodegradability:	Non biodegradable in the short term.
Precautions:	Unlikely to cause hazards. Spillages may produce local scorch damage.



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**13. Disposal Considerations**

- Dispose of according to local regulations
- Avoid disposing into drainage systems and into the environment

**14. Transport Information**

Road (ADR/RID):	Not applicable
Air (IATA):	Not applicable
Sea (IMDG)	Not applicable
CHIP:	See section 15

**15. Regulatory Information (According to Directive 88/379/EEC)**

Wax is a harmless, stable substance at ambient temperatures. However, if overheated it will ignite. It should be melted in a steam-jacketed process vessel or over boiling water. Melting in a direct flame should be avoided as this will cause the wax to quickly reach the flash point and ignite. Working temperature should be approx. 10°C above the melt point.

**16. Other Information**

**16.1. Packaging**

Type	Suitability
Glass:	Yes
Lacquer lined steel / tin:	Yes
Aluminium:	Yes
HDPE:	Yes
F/HDPE:	Yes
Other plastic:	Yes

**16.2. Shelf Life**

When stored within advised conditions, re-test after 12 months and then at 6 monthly intervals up to a maximum life of 60 months.



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**16.3. QC Requirements**

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use..

