

## Bio Green Wax Ltd

128 City Road, London, UK, EC1V 2NX

Email: [info@biogreenwax.com](mailto:info@biogreenwax.com)

Phone: +44 20 7101 3847

Web: <https://biogreenwax.com>

# Material Safety Data Sheet

**Product Name:** High / Medium / Low Melt Wax

## 1. IDENTIFICATION / NAME OF PRODUCT

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Product Name           | High / Medium / Low Melt Wax                                       |
| Synonyms               | Slack Wax                                                          |
| CAS No.                | 8002-74-2                                                          |
| Manufacturer /Supplier | Bio Green Wax Ltd, 128 City Road, London, EC1V 2NX, United Kingdom |
| Phone No.              | +44 20 7101 3847                                                   |

## 2. COMPOSITION IMPLEMENTATION ON INGREDIENTS

Complex mixture of Hydrocarbons  
UN No.: Not applicable.

## 3. PHYSICAL & CHEMICAL PROPERTIES

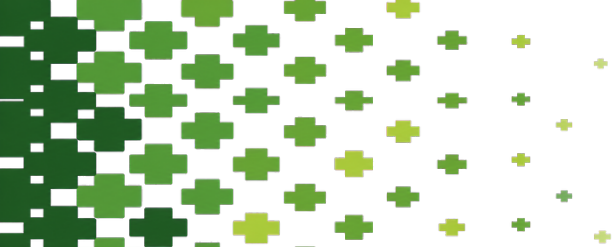
### High Melt Wax

|                                         |                    |
|-----------------------------------------|--------------------|
| Colour , ASTM D-1500                    | 4.0 Max            |
| Specific Gravity @ 60/60°F, ASTM D-1298 | 0.92 Max           |
| Oil Content % wt. ASTM D-721            | 15 Max             |
| Form                                    | Liquid             |
| Flash Point PMCC oC, ASTM-93            | 232°C (450°F)      |
| Auto Ignition Temperature               | >260C (>500 F)     |
| Lower Explosive Limit                   | NA                 |
| Upper Explosive Limit                   | NA                 |
| Appearance                              | White              |
| Odor                                    | Slight hydrocarbon |
| Pour Point °C, ASTM-97                  | NA                 |
| Viscosity @ 100°C, ASTM-445             | 30 max             |
| Acid No. mg KOH/g, ASTM D-974           | NA                 |

### Medium Melt Wax

|                                          |               |
|------------------------------------------|---------------|
| Colour , ASTM D-1500                     | 4.5 Max       |
| Specific Gravity @ 60/60 oF, ASTM D-1298 | 0.90 Max      |
| Oil Content % wt ASTM D-721              | 25 Max        |
| Form                                     | Liquid        |
| Flash Point PMCC °C, ASTM-93             | 165°C (329°F) |
| Auto Ignition Temperature                | 230°C (446°F) |
| Lower Explosive Limit                    | NA            |
| Upper Explosive Limit                    | NA            |
| Appearance                               | White         |





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|                               |                    |
|-------------------------------|--------------------|
| Odor                          | Slight hydrocarbon |
| Pour Point °C, ASTM-97        | NA                 |
| Viscosity @ 100 °C, ASTM-445  | 8.5 max            |
| Acid No. mg KOH/g, ASTM D-974 | NA                 |

### Low Melt Wax

|                                          |                    |
|------------------------------------------|--------------------|
| Colour , ASTM D-1500                     | 2.5 Max            |
| Specific Gravity @ 60/60 oF, ASTM D-1298 | 0.88 Max           |
| Oil Content % wt ASTM D-721              | 40 Max             |
| Form                                     | Liquid             |
| Flash Point PMCC oC, ASTM-93             | 145°C (293F)       |
| Auto Ignition Temperature                | >210C(>410)        |
| Lower Explosive Limit                    | NA                 |
| Upper Explosive Limit                    | NA                 |
| Appearance                               | White              |
| Odor                                     | Slight hydrocarbon |
| Pour Point oC, ASTM-97                   | NA                 |
| Viscosity @ 100 oC, ASTM-445             | 4 Max              |
| Acid No. mg KOH/g, ASTM D-974            | NA                 |

### 4. STABILITY & REACTIVITY

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Conditions to avoid              | Stable under normal conditions of use Avoid heat, sparks, open flames and other ignition sources |
| Materials to avoid               | -                                                                                                |
| Hazardous decomposition products | Hazardous decomposition products are not expected to form during normal storage.                 |

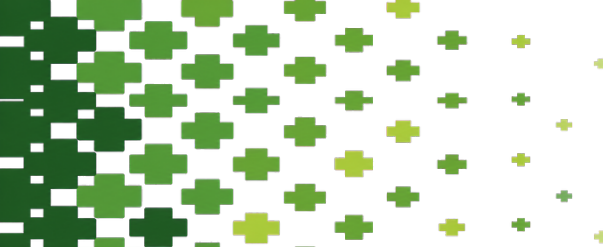
### 5. ACCIDENTAL RELEASE MEASURES

|                         |                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective measures     | Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.                                                                                       |
| Methods for cleaning up | Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. |

### 6. HANDLING & STORAGE

|                                               |                                                                                                                                                                                                 |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling                                      | Avoid prolonged or repeated contact with skin. Avoid inhaling vapors and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. |
| Requirements for storage areas and containers | Stable and safe at normal ambient temperature Keep away from heat & spark Avoid extremely high temperature and strong oxidizing agents                                                          |





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### 7. Exposure Control / Personnel Protection

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| Eye protection         | Wear safety glasses or full face shield if splashes are likely to occur.                                  |
| Hand protection        | Use suitable gloves resistant to Penetration.                                                             |
| Respiratory protection | None under normal conditions Approved supplied-air respirator when exposed to vapors from heated material |
| Protective Clothing    | Skin protection not ordinarily required beyond standard issue work clothes.                               |

### 8. HAZARD IDENTIFICATION / Potential Health Effects

|                  |                                                  |
|------------------|--------------------------------------------------|
| Eyes             | Slightly irritating                              |
| Skin             | Slightly irritating to skin                      |
| Ingestion        | Give water or milk to drink                      |
| Chronic Exposure | NA                                               |
| Target Organs    | Slightly irritant to respiratory system and skin |
| Inhalation       | Harmful by inhalation                            |

### 9. FIRST AID MEASURES

|                    |                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice     | No t e x p e c t e d to be a health hazard when used under normal conditions.                                                                                        |
| Eyes               | Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.                                                               |
| Skin               | Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. |
| Ingestion          | In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.                                                             |
| Inhalation         | No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.                                                                   |
| Notes to Physician | Treat symptomatically.                                                                                                                                               |

### 10. TOXICOLOGICAL INFORMATION LIMITS OF ORAL, DERMAL, INHALATION, CARADIOGENCITY, MUTAGENECITY, REPRODUCTIVE & DEVELOPMENT

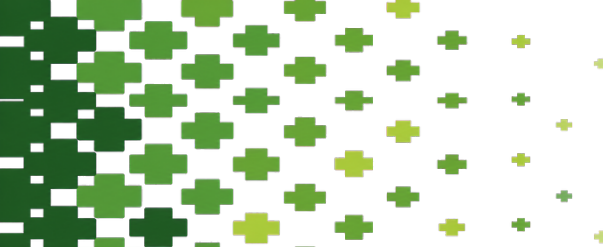
|             |                                                                                                                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin        | Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. |
| Eye         | Expected to be slightly irritating.                                                                                                                                                 |
| Respiratory | Inhalation of vapors or mists may cause irritation                                                                                                                                  |

### 11. ECOLOGICAL INFORMATION CLIMATE FISH, ALGAE, MICROOGRANISM

#### Acute Toxicity:

Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract). Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.





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### Mobility:

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

### Persistence/degradability:

Expected to be not readily biodegradable. Expected to be inherently biodegradable.

### Bioaccumulation:

Has the potential to bioaccumulate.

### Other Adverse Effects:

Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

## 12. DISPOSAL

Material recover or recycle if possible

Dispose of used absorbent in an approved landfill or municipal tip in accordance with local regulations.

Keep away from heat, naked flame or sparks.

Do not flush to drains or sewers.

The disposal should be in accordance with applicable local laws & regulations

## 13. TRANSPORTATION

### ADR

This material is not classified as dangerous under ADR regulations.

### RID

This material is not classified as dangerous under RID regulations.

### IMDG

This material is not classified as dangerous under IMDG regulations.

### IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations.

## 14. REGULARITY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

EC Classification: Not classified as dangerous under EC criteria.

EC Symbols: No Hazard Symbol required

EC Risk Phrases: Not classified.

EC Safety Phrases: Not classified.

EINECS: All components listed or polymer exempt.

TSCA: All components listed.

## 15. OTHER INFORMATION

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

