Safety Data Sheet
Beeswax

Section 1 Identification

Product identifiers
Product name: Beeswax

Relevant identified uses
Identified uses: Pharmaceutical/Cosmetic/Personal Care

Details of the supplier of the safety data sheet
Freeman Manufacturing and Supply Company
1101 Moore Road, Avon, OH 44011
Phone (440) 934-1902
FAX (440) 934-7200
24 Hour Emergency Phone Number: CHEMTREC - (800) 424-9300

Section 2 Hazards Identification

GHS Classification
Not a hazardous substance

GHS Label
Symbols: Not applicable
Hazard Statements: None
Precautionary Statements: Contact with molten wax may cause thermal burns
Special remark on fire hazard: Material in powder form capable of creating a dust explosion

Section 3 Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beeswax</td>
<td>8006-40-4 (yellow)</td>
<td>100</td>
</tr>
</tbody>
</table>

Impurities/Additives: None

Section 4 First Aid Measures

Eye Contact
Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact
For contact with molten material, leave material on skin and flush or immerse affected area(s), using cold water. Seek Medical Attention.

Inhalation
If respiratory symptoms develop from exposure to fumes emitted by the molten material, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion
Solid material is not acutely toxic; however, if molten material is swallowed, seek immediate medical attention.
Section 5 Fire-Fighting Measures

Extinguishing media
Use dry chemical, foam, sand, water fog

Special hazards arising from the substance or mixture
This material may burn, but will not readily ignite

Advice for firefighters
Wear proper protective equipment and positive pressure self-contained breathing apparatus.

Section 6 Accidental Release Measures

Isolate area and keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Wear appropriate protective equipment. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Cleanup molten wax under supervision is advised.

Section 7 Handling and Storage

Precautions for safe handling
Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

Conditions for safe storage, including any incompatibilities
Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles such as strong oxidizers. Store at ambient or lower temperature. Store out of direct sunlight. Protect against physical damage.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters
None

Personal protective equipment
Skin Protection
When handling in molten form, proper resistant clothing, gloves, and shoes must be worn.

Eye Protection
When handling in molten form, proper eye shields are worn to prevent injury

Respiratory Protection
No special precautions for normal use

Section 9 Physical and Chemical Properties

Appearance: Yellow solid
Odor: Slight, characteristic
Odor Threshold: No data available
pH: No data available
Melting Point: 62 - 65°C
Initial Boiling Point: Not applicable
Evaporation Rate: Not applicable
Flash Point: 400°C (closed cup)
Section 9 Physical and Chemical Properties continued

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.96 g/ml at 20°C</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water. Soluble in organic solvents when warmed</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>8 - 12 cSt at 100°C</td>
</tr>
</tbody>
</table>

Section 10 Stability and Reactivity

**Reactivity:** This material is stable and unlikely to react in a hazardous manner under normal conditions of use.

**Chemical Stability:** Stable under normal conditions. Avoid strong oxidizing agents.

**Hazardous Reactions:** Avoid strong oxidizing agents.

**Decomposition Products:** Thermal decomposition can produce a variety of products which may include oxides of carbon and nitrogen.

Section 11 Toxicological Information

**Signs and Symptoms of Overexposure**

Nasal and throat irritation.

**Acute Effects**

- **Eye Contact:** Not expected to be an eye irritant
- **Skin Contact:** No harmful effects from skin adsorption.
- **Inhalation:** Vapors emitted from molten wax are expected to have slight degree of irritation
- **Ingestion:** No harmful effects are expected.

**Acute Toxicity Values**

CIR Review of Natural Waxes published in 2005. FDA: GRAS (Generally Recognized As Safe)

Title 21 CFR 184.1973

Section 12 Ecological Information

**Toxicity**

No data available

**Persistence and degradability**

Readily biodegradable

**Bioaccumulative potential**

Not expected

**Mobility in soil**

No data available

**Results of PBT & vPvB assessment**

Not required of this substance

Section 13 Disposal Considerations

Not considered a RCRA hazardous waste if discarded. Disposal must be made in accordance with all applicable Local, State and Federal regulations.
Section 14 Transport Information

DOT: Not regulated
TDG: Not regulated
IMDG: Not regulated
IATA: Not regulated

Section 15 Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

Clean Water Act (CWA): Not hazardous.

Clean Air Act (CAA): Not Hazardous

Superfund Amendments and Reauthorization Act (SARA) Title III Information: This product contains no toxic chemicals subject to reporting requirements of SARA Section 313 (40 CFR 372)

State Regulations

California: This product contains no chemicals known to the State of California to cause cancer, birth defects or reproductive harm.

International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS): This product has not been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

European Inventory of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

EU Classification: None  EU Risk (R) and Safety (S) Phrases: None

Section 16 Other Information

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