Material Safety Data Sheet

SOY WAX

1. Product and Supplier Description

Trade Name: Soy Wax
INCI/CHEMICAL Name: Hydrogenated Soybean Oil

CAS No: 8016-70-4
EINECS No: 269-820-6
%: 100
Application: Candle making or as raw material for further processing preparation

Supplier:

Making Candles
www.makingcandles.co.za

2. Hazards Identification

EU Classifications: Not classified as dangerous.
US OSHA Hazard Classification: Hazardous (Exposure Limit).
Caution: Slight fire hazard. May cause mild eye irritation and prolonged skin contact may cause mild irritation. Inhalation of vegetable oil mists may cause irritation to upper respiratory tract.

3. Composition and Ingredient Information

Chemical characterisation: A totally natural blended wax based on ethically and globally sourced Soya with its principle application being in the candle market and cosmetic applications (as an alternative to paraffinic waxes) where it is used for its excellent qualities for holding colour and fragrance.
Chemical Name: Hydrogenated Vegetable Oil
CAS Number: 8016-70-4
EINECS Number: 269-820-6
% 100

Application: candle making or as a raw material for further processing/Preparation
EU Classification (67/548/EEC) Not applicable
Hazardous ingredients: None

4. First Aid Measures

Eye Contact: Flush immediately with water and obtain medical attention if necessary.
Skin Contact:

- Cool the wax if molten and remove under medical supervision.
- Wash with soap and water.

Inhalation:

- Remove to fresh air.
- Obtain medical aid if symptoms develop

Ingestion: Drink plenty of water and seek medical advice if large amounts are swallowed or adverse effects are noted.

5. Fire Fighting Measures

Suitable extinguishing media:

- CO2, foam, dry powder and sand.
- Do not use water as this may spread the fire.

Exposure hazards: In the case of fire, combustion gases are formed: Carbon monoxide CO, carbon dioxide CO^2, smoke, Acrolein.
Protective Equipment: Personal protective equipment should be worn.
Hazards: Cool exposed containers with water spray, and combustible rags and waste paper saturated with oil may heat and burn spontaneously.

6. Measures in case of accidental release

Personal precautions:

- Avoid contact with eyes and skin.
- Be aware of slippery ground if product has been spilled.

Environmental precautions: Do not allow to enter drains/surface or ground waters.
Methods for clean up: Remove solidified product mechanically.

7. Handling and Storage

Handling:

- Care should be taken when handling hot wax.
- Avoid eye and prolonged/repeated skin contact.
- Avoid breathing mists.
- Wash thoroughly after handling and remove all oil soaked clothing and launder before use.

Storage:

- Solid Wax can be stored for indefinite periods in paperboard boxes, woven polypropylene bags or cartons on pallets away from possible sources of contamination and in cool, dry conditions.
- Liquid wax should be stored in heatable tanks/ containers.
- Prolonged storage 20°C above the congealing point may interfere with productquality.
- Empty containers retain product residues.
- Do not cut, weld, braze, etc. on or near empty containers.

8. Exposure Controls/Personal Protection

- Adequate personal protective equipment must be worn when handling wax in a molten state.

Ingredients: Hydrogenated Vegetable Oil (as oil mist)

Exposure Limits:

- 5mg/m3 TWA OSHA PEL (respirable fraction)
- 15mg/m3 TWA OSHA PEL (as total particulate)

Respiratory Protection:

- None needed under normal conditions of use with adequate ventilation.
- If the exposure limit is exceeded an approved respirator with and R and P series filter should be used.
- Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910/134 and good industrial Hygiene practice.

Ventilation:

- Good general room ventilation should be adequate under normal conditions of use.
- If the recommended exposure limit is exceeded, increased mechanical ventilation such
- As local exhaust may be required.

Gloves:

- None needed under ambient conditions.
- If the product is heated, heat protective gloves should be used.

Eye Protection:

- Follow facility requirements.
- Wear safety glasses if the risk of splashing is possible.

Other protective Equipment:

- None normally needed.
- Impervious clothing is advised to avoid prolonged/repeated skin contact.
- Suitable washing facilities should be available.

9. Physical and Chemical Properties

INCI Name: Hydrogenated Soybean Oil

CAS Number: 8016-70-4

EINECS Number: 269-820-6
Description: A totally natural blended wax based on ethically and globally sourced Soya

with its principle application being in the candle market and cosmetic applications (as an alternative to paraffinic waxes) where it is used for its excellent qualities for holding colour and fragrance.

Label: Hydrogenated Vegetable Oil.

Origin: China

TYPICAL ANALYTICAL DETAILS:

APPEARANCE: Solid, white to slightly yellow wax flakes or pellets.

ODOUR: From neutral to slightly fatty-like.

PH VALUE: neutral

FLASH POINT°C: >200

DROP POINT (AOCS Cc 18-80): 50 – 52 ºC

PENETRATION @ 25°C (ASTM D1321): 40 – 50

PENETRATION @ 43.3°C(ASTM D1321): 230 – 260

SPECIFIC GRAVITY (H2O=1): <0.920 – 0.925

COLOUR (Lovibond): 1.5 maximum

SOLUBILITY:

- Insoluble in water.
- Soluble in chlorinated hydrocarbons.
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10. Stability and Reactivity

Stability:

- Spontaneous combustion can occur.
- See unusual fire and Explosion Procedure, Section 5.

Conditions to avoid: High surface area exposure to oxygen can result in polymerization and release of heat.

Incompatibility: None.

Hazardous Decomposition products: None.

Hazardous Polymerisation: Will not occur.

11. Toxicological Information

Health Hazards:

Inhalation: Excessive inhalation of mists may cause upper respiratory tract irritation.

Skin contact: Prolonged or repeated contact may cause mild irritation or dryness.

Eye contact: May cause mild irritation with redness and tearing.

Ingestion:

- No adverse effects are expected.
- Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

Chronic Effects of overexposure: Repeated skin contact may cause dermatitis.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA,

IARC, NTP or the EU Dangerous Substances Directive.
Medical conditions aggravated by exposure: Individuals with chronic skin diseases may be at increased risk from exposure to this material.
Acute toxicity values: no data available.

12. Ecological Information

Degradability: The product is readily biodegradable according to OECD 301 A-F.
Toxicity: Expected to be non-toxic to aquatic life.

- The product is insoluble in water.
- It can be removed mechanically in a purification plant.
- In its solid state the product cannot be dispersed into the environment.
- In liquid form, when discharged into the environment, the product spreads out over the surface and solidifies.

13. Disposal Considerations

Product: Combustion in waste incineration plant according to local authorities.
Europe: Can be disposed of after consultation with the responsible authorities according to the following:

EWC-Code	**Description**
12 01 12	Spent waxes and fats

Packaging: Packaging material should be disposed of in accordance with local regulations.

14. Transport Information

- Not classified as hazardous for transport in its solid state.

15. Regulatory Information

- Waxes are not classified as hazardous for supply under UK CPL or CHIP Regulations.

EU Classification: Not a dangerous preparation.
EU Risk and Safety Phrases: None.
European Union: All of the components of this product are listed in the European Inventory of New and Existing Chemical Substances (EINECS) inventory.
(GRAS): This product is recognized as safe under the Food, Drug and Cosmetic Act.

16. Other Information

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.