

CERTIFICATE OF ANALYSIS

REFERENCE NO. 2023041001
CONTRACT NO. GL-202306101-LYJ

DATE: APR. 10,2023
QUANTITY: 1.50MT

PRODUCT NAME	Low Melting Soy Wax
Colour	White or Slightly yellow
Appearance	White or Slightly yellow flakes
Expiration date	Three years
Packing	25kgs/bag
Country of Origin	China

ITEMS	STANDARD	RESULT
Acid valence (mg KOH/g)	≤0.9	0.59
Peroxide value (mmol/kg)	≤3.9	0.03
Water and volatiles (%)	≤0.05	0.02
Iodine value (g/100g)	40-70	47.5
Color (Lovibond colorimeter 133.4mm cell)	≤3.0R	1
Melting point (°C)	42-60	50
Ingredients	100% Natural Vegetable Oil (No other chemicals)	
CONCLUSION	Passed	

Inspector: Judy Fan
Date: 10th Apr. 2023

Checker: Shelly Hao

2. Composition / Information on Ingredients

Chemical: soy wax

Composition: Vegetable oils, mixed stearates.

Ingredients not precisely identified are proprietary and nonhazardous. All ingredients appear on the EPA TSCA Inventory.

3. Hazards identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

4. First aid measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

5. Fire and Explosion Data

Flash point (and method): > 200°F

Extinguishing media: Dry chemical, carbon dioxide, foam, water or fog. Class ABC fire extinguisher.

Special fire fighting protective equipment: Firefighters should wear self-contained breathing apparatus in the positive-pressure mode and protective clothing should be worn in fighting fire involving chemicals.

Unusual fire and explosion hazards: None known.

6. Accidental Release Measures

Steps to be taken in case material is released or spilled: Sweep up and recover or mix material with moist absorbent and shovel into waste container. Wash down spill area with hot water containing detergent and flush to a sewer serviced by waste water treatment facility.

Waste Disposal: Recover material or dispose (incineration is preferred) in accordance with applicable federal, state and local regulations. Material collected with absorbent may be disposed in a permitted landfill in accordance with federal, state and local regulations. Empty container may retain vapor or product residue. Observe all labeled safeguards until container is clean, reconditioned or destroyed.

7. Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

Storage: Keep material in a cool, well-ventilated area.

8. Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9. Physical Data

Appearance / Physical State: White or Yellowish odorless Solid.

Boiling point, °F: 250 min.

Freezing point, °C: 42-66

Acid Value: 2 Max

Solubility: Soluble in hot organic solvents such as alcohol, benzene, ether, acetone, mineral or fixed oils.

10. Stability and Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents and strong alkali or caustic materials.

11. Toxicological Information

Routes of Entry: Inhalation.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: May cause skin, eye, respiratory tract, and gastrointestinal tract irritation.

The toxicological properties of this substance have not been fully investigated.

12. Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

13. Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

15. Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Tristearin

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

This product is not classified according to the EU regulations.

Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.