



BIEN MERCANTILE PRIVATE LIMITED

Service through ... Sincerity & Reliability

AE-5/51, No.:5/51, First Street, Anna Nagar, Chennai- 600 040, Tamilnadu, India

Tel:+91-44-2619 4891, Mobile:+91-99628 54759

Website: www.bienmercantile.com Email: contact@bienmercantile.com; vtabay@gmail.com

FR140F – 58/60°C – 136/140°F

FULLY REFINED PARAFFIN WAX 140°F

SPECIFICATION

| Testing Method | Spec. Min | Spec.Max | ASTM Method |
|------------------------------------|-----------|----------|-----------------|
| Melting Point Degree F (°F) | 136 | 140 | D87 |
| Oil Content | 0.25% | 0.50% | D721 |
| Color in Saybolt | 26 | 30 | D156 |
| Needle Penetration 1/10mm at 77 °F | 10 | 15.5 | D1321 |
| Flash Point °C | 230 | | D92 |
| Kinematic Viscosity at 212 °F | 4.2 | 4.9 | D445 |
| Ultraviolet Absorbance | Pass | Pass | 21CFR172.886(b) |

This Paraffin waxes are separated from crude oil during the production of light (distillate) lubricating oils and then through further refining, MEK de-oiling, hydro finishing and then moulded.

Applications: It applies to making candles, wax crayons, wax paper, electrical insulating, the raw materials to make high frequency porcelain, carbon paper, stencil paper, precision casting, art wax and cold cream, and light industrial and chemical materials etc.

Characteristics: This product is characterized by pure white, low oil content, good stability, odorless and low condensed aromatics content, etc.

Remarks:

1. Actual quality might be different from above specifications subject to our final confirmation.
2. Packing methods:
 - a. Slabs in 30kgs bags / cartons
 - b. Cartons with pallets (Gaylord)
3. Container load:
 - a. 20.01 metric tons per 20ft container for bags / cartons.
 - b. 16.8 metric tons per 20ft container for cartons with pallets (Gaylord).



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MATERIAL SAFETY DATA SHEET (MSDS)

PARAFFIN WAX 140 Degree F

SECTION 1: CHEMICAL PRODUCT

PRODUCT GENERIC NAME: 140° F Paraffin Wax.

PRODUCT NUMBER: TWCWAX-2

SECTION 2: COMPOSITION / INFORMATION INGREDIENTS

Pure Substance: >99.0%

Chemical Name: Fully Refined Wax

Synonym: 140° F Petroleum Wax, 140° F Fully Refined Waxes, 140° F White Wax

Chemical Abstract Service Number (CAS Registry No.): 64742-43-4

Hazards Substance Component (contain %): 0%

Composition Comment: ---

SECTION 3. HAZARDS IDENTIFICATION

Major Hazard and Response

Immediate Health Effects:

Eye Contact: Dust may cause mechanical eye irritation. Contact with hot product will cause burns to the eyes.

Skin Contact: Skin contact with hot material may result in severe burns.

Ingestion: Contact with hot material may cause thermal burns. If swallowed, no significant adverse health effects are anticipated. If swallowed in large quantities, this material can obstruct the intestine.

Inhalation: If this material is heated; fumes may be unpleasant and produce nausea and irritation of the upper respiration tract.

Sign and symptoms of exposure:

Thermal burns to the eye: may include pain, tearing, reddening, swelling and impaired vision.

Thermal burns to the skin: may include pain or feeling of heat, discoloration, swelling and blistering.

Respiratory irritation: may include coughing and difficulty breathing.

ENVIRONMENTAL HAZARDS

This product does not have any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC OR NTP, and can be biodegradable material.



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PHYSICAL AND CHEMICAL HAZARD: Fumes.

HAZARD RANKING:

Health Hazard – HMIS 0, NFPA 0.

Fire Hazard – HMIS 1, NFPA 1.

Reactivity – HMIS 0, NFPA 0.

SECTION 4: FIRST AID MEASURES

The Rescue Method of Different Exposure Entry Routes:

Inhalation: Move victim to fresh air. If victim is not breathing, immediately begin rescue breathing and 100% Humidified oxygen should be administered by a qualified individual.

Get medical attention immediately.

Skin contact: If burned by hot material, cool skin 15 minutes by quenching with large amounts of cool water. Do not try to peel the solidified material from skin or use solvents or thinner dissolve it. Seek medical attention immediately. For contact with product at ambient temperature, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with soap and water.

Eye contact: If heated material splash into eyes, flush eyes immediately with fresh water for 15minutes while holding the eyelids open. Get medical attention immediately.

Ingestion: No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice.

MOST SIGNIFICANT SYMPTOMS AND HAZARD AFFECTS: no

FOR RESCUE PERSONAL AT PROTECTIVE EQUIPMENT: no

FOR DOCTOR OR REPRESENTATIVE SUGGESTION

The use of vegetable oil or mineral oil is recommended for removal of this material from the skin.



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SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHER: Use dry chemical foam, carbon dioxide or water fog.

PARTICULAR HAZARDOUS: --

SPECIAL PROPERTIES: --

FIRE FIGHTING PROTECTIVE CLOTHING: --

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE: Take proper precaution to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to Emergency Overview on page 1. Exposure Controls Personal Protection in Section 8 and Disposal Consideration in Section 13 of this MSDS.

1. Spills may create a slipping hazard.
2. Contain spill must be evacuated non-essential personnel. Wetting down may produce a very slippery surface. Complied with all laws and regulations.
3. Molten material can form flaming droplets if ignited. Water or foam can cause frothing, Use of water on products above 100°C can cause product to expand with explosive force.

ENVIRONMENT PROTECTIVE: Do not allow liquid runoff to enter sewers or public waters. In an urban area, cleanup spill as soon as possible; in natural environment, seek cleanup advice of environment specialists.

SECTION 7: HANDLING AND STORAGE

CAUTION: Avoid contaminating soil or releasing this material into sewage and drainage systems and water.

HANDLING: Use normal precautions when handling hot liquid solutions.

Avoid contact with eyes, skin, and clothing.

Do not breathe vapor or fumes from heated material. Wash thoroughly after handling.

STORAGE: Storage only in accordance with NFPA standards. A material that contains wax can catch fire if it is overheated. Do not heat this material above flash point. Do not heat this material with open flames or open electrical coils



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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

CONTROLS PARAMETER: Applicable Workplace Exposure Levels /

TWA : 2 mg/m³

BEI: --

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Determine if airborne concentrations are below the recommended exposure limits. If not, wear a NIOSH approved respiratory that provides adequate protection from measured concentrations of this material. Use the following respirators: Dust, Fume, Mist.

Hand Protection: When handling product at elevated temperature, Use long-cuffed leather or heat-resistant gloves over chemical –resistant gloves. With product at ambient temperature, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

Eye /Face Protection: If this material is heated, wear chemical goggles and a face shield if engineering controls or work practices are not adequate to prevent skin contact.

Body Protection: Prevent skin contact when handling heated material. Use insulated, heat-resistant clothing such as a chemical resistant apron or slicker suit. Use a full-body heat-resistant or internally cooled suit when work conditions dictate.

HYGIENE PRACTICES: Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drink, smoking, use of facilities, or leaving work . Do not use gasoline, kerosene, solvents, or abrasive skin cleans.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid (at ambient temperature)

APPEARANCE: Slab

COLOR: White Translucent Solid

ODOR / TASTE: Odorless, Tasteless

PH: 6.6~7.6

DECOMPOSITION TEMPERATURE °C: ND

FLASH POINT: > 464°F, >230 °C TEST METHOD: C.O.C (Cleveland Open Cup)

AUTO IGNITION TEMPERATURE °C: >235

EXPLOSION RANGE: -- --

VAPOR PRESSURE mm HG@ 26.6°C: <0.00456

MELTING POINT: 136~142°F

Sp. Gr @ 100°C : 0.762 @ 100°C

SOLUBILITY IN WATER : Insoluble in water

Carbon distribution : 140°F C₂₁~C₄₅

GC SIM – Distillation Temperature °C: IBP – 367 ‘50% -- 452.5’ FBP – 530.5

GC SIM – Distillation Temperature °C : @60°F : >40.7, (60/60°F)<1

Average molecular weight (Mw) : 740

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Not expected to occur.

AVOID HAZARD: Water may cause product to froth or expand with explosive force.

INCOMPATIBILITY: Strong oxidizer

DECOMPOSITION HAZARD: Fumes

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Paraffin waxes be clay-treated °

ORAL (LD50) >5000 mg/kg.

SKIN EFFECTS: The skin irritation hazard is based on data for a similar material.

CHRONIC EFFECTS: -- ---

SPECIAL EFFECTS: -- ----



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SECTION 12: ECOLOGICAL INFORMATION

ECO-TOXICITY: Ecological effects testing has not been conducted on this material. Discharges are expected to cause only localized and non-persistent environmental damage.

ENVIRONMENT FATE: Petroleum-based (mineral) waxes normally will float on water. In stagnant or slow-flowing waterways, a wax layer can reduce the atmospheric oxygen exchange with the water system. If the wax layer is not removed, oxygen depletion can result in loss of marine life.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Place contaminated materials in disposable container and dispose of in a manner consistent with applicable regulations. Contact local environment or health authorities for approved disposal of this material.

WASTE RECOVERY: *Solid Material:* Recover free product by sweeping.
Liquid Material: Let cool, then recover with appropriate mechanical equipment.

SECTION 14: TRANSPORT INFORMATION

USA DOT: Not Regulated by RID/ADR.
RID/ADR: Not Regulated by RID/ADR.
IMO: Not Regulated by IMO.
ICAO/IATA: Not Regulated by IATA.

SECTION 15: REGULATION INFORMATION

PROPER REGULATIONS: TSCA, SARA-302/304/311/312 Categories: ALL
NO



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SECTION 16: OTHER INFORMATION

REFERENCE: Prepared according to the OSHA Hazard Communication Standard and ANSI MSDS

LITERATURE: Standard and Health risk Assessment Unit.

PRINT DATE: 10/01/2007

The above information is based on the data of that we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information. We do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

***** END OF MSDS *****

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