



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

Webiste: www.bienmercantile.com, Email: contact@bienmercantile.com; vtabay@gmail.com

Fully Refined Paraffin Wax FR 60/62

SPECIFICATION

Testing Method	Spec. Min	Spec.Max	ASTM Method
Melting Point Degree C (Degree F)	60 (140)	62 (144)	D87
Oil Content		0.50%	D721
Colour in Saybolt	28		D156
Needle Penetration 1/10mm at 25 Deg. C	14	22	D1321
Odor		2	D1833

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

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:

- Slabs in 25/28/50kgs bags
- Slabs in 25/28 kg cartons
- Prills in 25kgs bags
- 920/1000kgs cartons with pallets (Gaylord)

3. Container load:

- 20-21 metric tons per 20ft container for slabs.
- 16.5-17 metric tons per 20ft container for prills.
- 18.4 metric tons per 20ft container for Gaylord.



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MATERIAL SAFETY DATA SHEET (MSDS)

Fully Refined Paraffin wax FR 60/62

1. Product name: Paraffin wax

48/50, 50/52, 52/54, 54/56, 56/58, 58/60,

60/62, 62/64, 64/66, 66/68, 70/72, 72/74

(Semi refined / **fully refined**)

120F/135F/140F/145F/155F/165F

Microcrystalline wax No.70, No.80, No 85,180F

2. Composition /Information on ingredients

Generic composition: Paraffin wax / Microcrystalline wax

<u>Substance name</u>	<u>Wt %</u>
Paraffin wax (8002-74-2)	100
Microcrystalline wax (64742-42-3)	100

Trace impurities and additional material names not listed above may also appear in the Regu-latory Information section (#15) towards the end of the MSDS. These materials may be listed for local "Right to Know" compliance and for other reasons.

3. Hazards identification

Effects of overexposure: Contact with hot material may cause skin burn.

4. First aids measures

Eye contact: Flush thoroughly with water. If irritation persists, call a doctor.

Skin contact: Wash contacts with water. If burned by contact with hot material cool molten material adhering to skin as quickly as possible water and see physician for removal or adhering material and treatment of burn.

Inhalation: Remove from further exposure. If respiratory irritation, dizziness nausea, or un-consciousness occurs, seek immediate medical assistance and call a ambulance. If breathing has stopped, use mouth-to-mouth resuscitation.



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Ingestion: Not expected to be a problem when ingested. If uncomfortable, obtain medical Attention.

Note to physician: Treat symptoms with reference to specific health effect identified above.

5. Fire-fighting measures

Flammable properties:

Flash point	:	>350F (> 175DEG.C)
Flash point method	:	Open cup.
Auto ignition temperature	:	Not known.
Upper flame limits (Volume% in air)	:	Not applicable.
Lower flame limits (Volume% in air)	:	Not applicable.
Flame propagation rate (Solids)	:	Unknown.
OSHA flammability class	:	Not applicable
Extinguishing media	:	Foam , dry chemical, CO2 and water fog.

Special fire fighting procedures: Water or foam may cause frothing. Use water to cool fire-exposed containers. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering waterways, sewers or drinking water supply.

Special protective equipments: For fires in enclosed area, firefighters must use self-contained breathing apparatus.

Unusual fire and explosion hazards: May generate irritating vapors when burning.

NFPA Hazard ID: Health: 1, Flammability: 1, Reactivity: 0

Hazardous decomposition products: Carbon monoxide, Paraffin fumes.

6. Accidental release measures

Notification procedures: Report spills as required appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the police and Fire Brigade and, if appropriate, the Area Water Authority.

Procedures if material is released or spilled: If liquid, bund to contain, allowed cooling. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and Regulations and product characteristics at times of disposal or divert to recovery unit.



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Environmental precautions: Prevent spills from entering storm sewers or drains and contact with soil.

Personal precautions: See Section 8.

7. Handling and storage

Handling: No special precautions are necessary beyond normal good hygiene practices. See section 8 for additional personal protection advice when handling this product.

Storage: Do not store in open or unlabelled containers. Stay away from strong oxidizing agents or combustible material. See section 15 for Regulatory information when storing this product.

8. Exposure controls /personal protection

Ventilation: Use local exhaust ventilation over heating operations. Use in well ventilated area.

Respiratory protection: No special requirement under ordinary conditions of use and with adequate ventilation.

Eye protection: Generally eye contact with solid material is unlikely. However when handling product generally eye contact with solid material is unlikely. However, when handling product in liquid form, chemical type goggles should be worn.

Skin protection: Gloves suitable for handling ho materials should be worn. Good personal hygiene practices should always be followed.

9. Physical and chemical property

Typical physical properties are given below. Consult Product Data Sheet for specific details.

Physical state	:	Wax
Color	:	White to amber
Odor	:	Characteristic waxy odor
Odor threshold (ppm)	:	N/E
Specific gravity	:	(Water=1.0) 0.87-0.92



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PH	:	N/A
Boiling point	:	N/A
Melting Point	:	46-80 DEG. C (115-175F)
Flash Point	:	> 350F (> 175DEG.C)
Flammability	:	N/E
Auto flammability	:	N/E
Explosive properties	:	N/A
Oxidizing properties	:	N/A
Vapor pressure	:	Negligible
Vapor density	:	(Air = 1.0) N/A
Evaporation rate	:	N/A
Solubility in water	:	(Weight %) Negligible
Pour point C	:	N/A
Freezing point	:	N/A

N/A=Not Applicable, N/E=Not Established

10.Stability and reactivity

Stability (Thermal, Light, ETC.)	:	Stable.
Conditions to avoid	:	Extreme heat.
Incompatibilities (materials to avoid)	:	Strong oxidizers.
Hazardous decomposition products	:	Carbon monoxide, Paraffin
fumes. Hazardous polymerization	:	Will not occur.

11.Toxicological data

-----Acute toxicology-----

<i>Oral toxicity:</i>	Practically non-toxic (LD50: greater than 2000mg/kg) Based on testing of similar products and /or the component.
<i>Dermal Toxicity:</i>	Practically non-toxic (LD50: greater than 2000mg/kg) based on testing of similar products and/or the component.
<i>Inhalation toxicity:</i>	Not established.
<i>Eye irritation:</i>	Practically non-irritating based on testing of similar products and/or the Component.



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Skin Irritation: Practically non-irritating (Primary Irritation Index: 0.5 or less) based on testing of similar products and/or the component.

12. Ecological information

Environmental rate and effects: Not established.

13. Disposal considerations

Waste Disposal: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by the local authority. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and considerations of product characteristics a time of disposal.

14. Transport information

US dot proper shipping name : Not regulated

US dot hazard class : Not applicable

For additional information on shipping regulations affecting this material, contact the Information numbers found on the first page.

15. Regulatory information

Toxic Substances Control Act (TSCA):

TSCA inventory status: Product is listed on the TSCA Chemical Inventory. *Other TSCA issues :* None.

Additional regulatory information: None.

Foreign inventory status:

Canadian DSL (Domestic Substances List)

IECSC (China) Inventory

EINECS (European Inventory of Existing Commercial Chemical Substances)



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Australian Inventory
Japanese Chemical Inventory (ENCS)
Korean Inventory
Philippine Inventory (PICCS)

16.Other information

Current issue Date: July 28, 2005

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

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