

Material Safety Data Sheet

Semi Refined Paraffin Wax 153F

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1. Chemical Product and Company Identification

Product Name: Semi Refined paraffin wax 153F

Chemical Name: Petroleum Slack Wax

Synonyms: Petroleum Hydrocarbons

CAS Number: 64742-61-4

Supplier: ARSEC Co. (IRAN)

2. Composition / Information on Ingredients

Semi Refined Paraffin Wax 153F is a complex combination of hydrocarbons obtained from a petroleum fraction by distillation process. It consists of predominantly paraffin straight and branched chain hydrocarbons having carbon numbers in the range of C24-C44.

Ingredient Name	CAS Number		% wt	
Petroleum SlackWax	64742-61-4		100	

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Petroleum Wax	5mg/m3	none estab.	none estab	none estab	. none estab.	none estab.	none estab.

3. Hazards Identification

Emergency Overview

SEMI REFINED PARAFFIN WAX 153F IS A NON-VOLATILE SOLID WAX OF LOW WATER SOLUBILITY. THIS PRODUCT IS NOT A COMBUSTIBLE MATERIAL PER THE OSHA HAZARD COMMUNICATION STANDARD, BUT WILL IGNITE AND BURN AT TEMPERATURES EXCEEDING THE FLASH POINT. USE FOAM, DRY CHEMICAL, OR CARBON DIOXIDE WHEN FIGHTING FIRE. WATER MAY BE INEFFECTIVE AS AN EXTINGUISHING MEDIUM. CONTACT WITH MELTED PRODUCT MAY CAUSE THERMAL BURNS.

OSHA Warning Label:

THIS PRODUCT HAS BEEN EVALUATED AND DOES NOT REQUIRE ANY HAZARD WARNING LABEL UNDER THE OSHA HAZARD COMMUNICATION STANDARD.

CONSUMER Warning Label:

A CONSUMER WARNING LABEL IS NOT APPLICABLE FOR THIS PRODUCT.

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Potential Health Effects

Inhalation: Exposure to fumes (from heating product) may be mildly irritating to the nose and throat.

Eyes: Exposure to fumes may be irritating to the eyes.

Skin: Not expected to be a primary skin irritant. When it is heated, this material may cause thermal burns.

Ingestion: Low toxicity. Will have a laxative effect if swallowed.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention if symptoms persist.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: For contact with molten product, flush with cold water to cool affected area and contact a physician.

Ingestion: Do not induce vomiting. Call your local poison control center or get medical attention

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

Flash Point: min. 220°C

Flash Point Method: open cup ASTM D-92

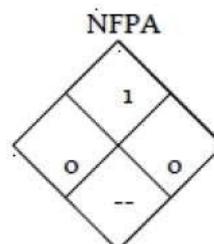
Burning Rate: not determined

Auto-ignition Temperature: >550 °F

Lower Flammable Limit (LFL): not applicable

Upper Flammable Limit (UFL): not applicable

Flammability Classification: not determined



Extinguishing Media: Dry chemical, foam, carbon dioxide. Water may be an ineffective extinguishing medium.

General Fire Hazards: This product is combustible at high temperatures. Toxic fumes, gases or vapors may evolve on burning.

Hazardous Combustion Products: Carbon monoxide and carbon dioxide.

Fire-Fighting Equipment/Instructions: Use water spray to cool fire-exposed containers and as a protective screen. Wear full set of protective equipment including chemical goggles and gloves.

NFPA rating:

Health: 0

Flammability: 1

Reactivity: 0

Other:

HMIS classification:

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Health: 0

Flammability: 1

Reactivity: 0

Special: *See Section 8 for guidance in selection of personal protective equipment

6. Accidental Release Measures

Containment Procedures: Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Clean-Up Procedures : Attempt to reclaim the free product, if this is possible. If molten product spilled, solidify and recover.

Evacuation Procedures : Isolate area. Keep unnecessary personnel away.

Special Instructions : Avoid inhalation of fumes from molten product. Avoid skin contact with molten resins. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

7. Handling and Storage

Procedures for Handling : Avoid breathing fumes if this product is used at high temperatures. Keep away from potential sources of ignition. Wash hands after handling and before eating.

Recommended Storage Methods : Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers.

8. Exposure Controls / Personal Protection

Exposure Guidelines: A. General Product Information - If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³.

B. Component Exposure Limits - No ACGIH, NIOSH or OSHA exposure guidelines listed for the product's components.

Engineering Controls: Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

Eye / Face Protection : Wear safety goggles or face-shield when working with melted material.

Skin Protection: Chemically resistant gloves with thermal protection when working with melted paraffin.

Respiratory Protection: Under normal conditions, respirator is not normally required. General: Use good industrial hygiene practices.

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9. Physical and Chemical Properties

Physical State: White Solid Wax

Appearance: White

Odor: Slight petroleum

Threshold: Not available

Vapor Pressure: <0.01 mm Hg (@ 20°C)

Vapor Density (Air=1): Not determined

Specific Gravity (H₂O=1): 0.76-0.77 at 100°C ASTM D-1298

Water Solubility: Not soluble in water

Drop Melting Point: 150-153F ASTM D-127

Kinematic Viscosity 100°C: 3.5-4.2 cSt ASTM D-455

% Volatile: nil

Evaporation Rate: Not applicable

pH: Not determined

10. Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Hazard polymerization will not occur.

Chemical Incompatibilities: Strong oxidizing agents (peroxides, chlorine, strong acids).

Conditions to Avoid (Stability): Avoid excessive heat and all sources of ignition.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

11. Toxicological Information

Acute Toxicity / Target Organ Information:

A. General Product / Component Information - This material is typically inert.

Paraffin fumes are a result of overheating product. Fumes are known to be mildly irritating to the nose, throat, and eyes.

B. Component LD₅₀ / LC₅₀ - No data available for product.

Epidemiology : No data available for product.

Carcinogenicity : A. General Product / Component Information - Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

B. Component Carcinogenicity Listings - None of this product's components are listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Teratogenicity / Reproductive Effects: No data available for the product as a whole.

Neuro-toxicity: No data available for the product as a whole.

Mutagenicity: No data available on this product as a whole.

Other Information: No other information available.

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12. Ecological Information

Eco-toxicity : No information is available on eco-toxicity of this product. Keep product out of sewers and waterways.

Environmental Fate: This product is not soluble in water, and is not expected to cause an adverse environmental effect.

13. Disposal Considerations

U.S. EPA Waste Number & Descriptions:

- A. General Product Information - Product as shipped does not meet the definition or characteristics of a hazardous waste.
- B. Component Waste Numbers - No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions: Incinerate the material under controlled conditions in an approved incinerator.

14 - Transport Information

Proper Shipping Name: Not regulated as a hazardous material.

Hazard Class: Not regulated

DOT ID No.: Not regulated

Packing Group: Not regulated

DOT Shipping Label: None required

Additional Shipping Information: Not regulated

International Transportation Regulations: Not regulated as dangerous goods.

15. Regulatory Information

U.S. Federal Regulatory Information:

- A. General Product Information - All components of this product are listed on the U.S. EPA TSCA Inventory.
- B. Component Information - None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

State Regulations:

A. General Product Information - No components require labeling under California Proposition 65.

B. Component Information - None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations:

A. General Product Information - All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals.

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B. Component Information - None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

Canadian Regulatory Information:

Canada DSL/NDSL Inventory: This product and/or its components are listed either on the Domestic Substances List (DSL) or the Non Domestic Substance List (NDSL).

16. Other Information

Additional Information: No data available

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Disclaimer: ARSEC Co. (IRAN) believes this information is accurate but not all inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.

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