



## INDUSTRIAL RAW MATERIALS LLC

112 West 56<sup>th</sup> Street, New York, NY 10019 Telephone: (212) 688-8080

Fax: (212) 759-3696

Email: [sales@irmwax.com](mailto:sales@irmwax.com) Website: [www.irmwax.com](http://www.irmwax.com)

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# MATERIAL SAFETY DATA SHEET

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This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

This revision updates Sections 1 (Product Identification) and 11 (Regulatory Information).

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## 1. PRODUCT IDENTIFICATION

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**A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)**

### MATERIAL IDENTIFICATION

Name: **INDRAWAX 205-M**

CAS Registry Number **8002-74-2**

#### Synonyms

Synthetic paraffin  
Fischer-Tropsch wax

#### Transportation Emergency Phone

**(212) 688-8080**

#### Chemical Family

Paraffinic hydrocarbon



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## 2. HAZARDS IDENTIFICATION

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PHYSICAL STATE AND APPEARANCE: Solid.

HAZARDOUS COMPONENTS: None.

EMERGENCY OVERVIEW: **WARNING! COMBUSTIBLE SOLID.**

None toxic/hazardous. Molten wax may result in heat burns.

### POTENTIAL ACUTE HEALTH EFFECTS

EYES: Solid – None

Molten – May cause severe burns.

Prills – Irritation

SKIN:

Solid – Dermatitis may occur with prolonged exposure.

Molten - May cause heat burns, not readily absorbed through the skin.

INHALATION:

Inhalation of paraffin wax vapors or powder particles may cause respiratory tract irritation.

INGESTION:

Molten – the high temperature may cause burns on contact with mouth/ oesophagus/stomach.

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## 3. PHYSICAL DATA

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**Color:** White to off-white

**Odor:** Practically odorless

**Average molecular mass:** approx. 1000 g/mole

**Flash point (open cup):** 285°C

**Congealing point:** >90°C

**Density at 25°C:** 0.9 g/cm<sup>3</sup>

**Solubility in Water (25°C):** Insoluble



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<b>PH-value aqueous extract:</b>	Neutral
<b>Physical state:</b>	Solid at 25°C, liquid above congealing point
<b>Explosion properties:</b>	Hazard exists if sub-micron form (dust)

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### 4. REACTIVITY DATA

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Thermal decomposition: approx. 250°C. Hazardous gases/vapors produced are, incomplete combustion may produce carbon monoxide.

Conditions to avoid: Prolonged storage 50°C above congealing point may interfere with quality.

Hazardous decomposition products: Flue gas, carbon monoxide, aldehydes in the case of incomplete combustion.

Incompatibility with substances: Avoid contact with strong oxidizing agents.

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### 5. FIRE PROTECTION

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FLAMMABILITY OF THE PRODUCT: Combustible at high temperature.

PRODUCTS OF COMBUSTION: Carbon oxides (CO, CO<sub>2</sub>).

FIRE FIGHTING MEDIA AND INSTRUCTIONS:

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray, fog or foam

**Do not use water jet.**

PROTECTIVE EQUIPMENT (FIRE): Approved/ certified respirator or equivalent.

SPECIFIC HAZARDS: Incomplete combustion produces fumes, flue gases, carbon monoxide.

ADDITIONAL INFORMATION: Apply cold water in order to cool containers exposed to danger.



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### **6. STORAGE AND HANDLING**

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Handling: Avoid breathing dust.

Storage: Keep container tightly closed. Keep container in a cool , well-ventilated area.

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### **7. FIRST-AID MEASURES**

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#### **EYE CONTACT**

Check for and remove any contact lenses. Immediately flush eyes with plenty of water. Seek medical attention.

#### **SKIN CONTACT**

Molten-immersed affected area in cold water to assist cooling. Seek medical attention.

#### **NOTE TO PHYSICIAN**

Support respiratory and cardiovascular function.

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### **8. TOXICOLOGICAL INFORMATION**

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NOEL (rat): 20 –2000 mg/kg/day

Oral TDL (rat): > 2000 mg/kg/day



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### 9. TRANSPORT INFORMATION

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#### **THIS PRODUCT IS NOT CONTROLLED UNDER ANY OF THE FOLLOWING CLASSIFICATIONS:**

DOT (United States), TDG (Canada), IMDG, IATA

#### **Sea transport**

Note that cargo's of tank vessel according to SschStrO & 2 Abs. 1 No. 16 must be reported to the port authorities

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### 10. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure limits (fumes):** ACGIH (United States, 2002) TWA: 2mg/m<sup>3</sup>  
NIOSH (United States, 2002) TWA: 2mg/m<sup>3</sup>

**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, 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 limits. Molten wax should not be exposed to water, as it causes violent steam explosions on molten wax.

#### **Personal Protective equipment**

**Eyes:** Safety glasses  
Face shield should be worn to protect eyes against hot wax splashes

**Body:** Full suit

**Respiratory:** Approved dust respirator, or vapor respirator in area of high concentrations of dust/vapor

**Hands:** Heat resistant gloves if working with molten wax

**Feet:** Safety boots

**Personal protection in case of large spill:** Splash goggles, full suit, boots, gloves.



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### 11. REGULATORY INFORMATION

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#### Federal Regulation

CERCLA, 40 CFR 302 – Not applicable

#### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986, TITLE III SECTIONS 302, 304, 312, 313

**SECTION 302/304** – Extreme Hazardous Substances (40 CFR 355) The material does not contain extremely hazardous substances at greater than 1.0% concentration; however, it is possible that this material may contain extremely hazardous substances at a lower concentration so that a large enough spill could warrant an Emergency Release Report under Section 304.

**SECTION 311/312** – MSDS and Chemical Inventory Reporting Requirements (40 CFR 370)

The material should be reported under the following EPA hazard categories:

<input type="checkbox"/> Immediate (Acute) Health Hazard	<input type="checkbox"/> Sudden Release of Pressure
<input type="checkbox"/> Delayed (Chronic) Health Hazard	<input type="checkbox"/> Reactive
<input type="checkbox"/> Fire	<input type="checkbox"/> Not Applicable

**NOTE:** See Section II for the concentration of any ingredients classified as hazardous by OSHA.

**Section 313** – List of Toxic Chemicals (40 CFR 372)

The material does not contain chemical (s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of toxic chemicals and subject to toxic chemical release reporting requirements.

#### TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710

This material is in the TSCA inventory of Chemical Substances and/or is otherwise in compliance with TSCA.



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### RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261, SUBPART C AND D

The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U. S. EPA definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If such contact or mixing occurs, check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, Regulations 40 CFR 262, 263, 264 and 268 may apply.

### FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 116 SECTION 311

The material contains the following ingredient (s) which is considered hazardous in navigable waters.

#### Ingredient

#### Reportable Quantity

Petroleum Hydrocarbon

Film or sheen upon or discoloration of the water surface or adjoining shoreline.

### HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171 – 178

Not Applicable.

### STATE REGULATIONS

#### CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (“PROPOSITION 65”)

The material does not contain ingredient(s) subject to the Act.

### PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT.

The material contains the following hazardous substances:

Categories:	H	=	Hazardous Substance (> 1.0%)
	S	=	Special Hazardous Substance (> 0.01%)
	E	=	Environmental Hazard (> 1.0%)



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Non-hazardous ingredient (s) information is withheld as trade secret in accordance with Section 11 (eleven) of Pennsylvania Worker and Community Right to Know Act.

A. SARA TITLE III

Title III Section 302/304 Extremely Hazardous Substance:

Component \_\_\_\_\_ CAS No. \_\_\_\_\_ Percent RQ (Lbs) TPQ (Lbs)

None

CERCLA Section 102 (a) Hazardous Substance

Component \_\_\_\_\_ CAS No. \_\_\_\_\_ Percent RQ (Lbs)

None

Title III Section 311 Hazard Categorization

Acute	Chronic	Fire	Pressure	Reactive	Not Applicable
-	-	-	-	-	X

Title III Section 313 Toxic Chemicals

Component \_\_\_\_\_ CAS No. \_\_\_\_\_ Percent

None

B. WHMIS CLASSIFICATION

NA

C. MICHIGAN CRITICAL MATERIALS

No critical materials present.



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