



# Industrial Raw Materials LLC

## Safety Data Sheet

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

**Product Name:** Indramic  
**Product Description:** Microcrystalline Wax  
**Product Code(s):** Indramic (for list of product names / codes see Annex)  
**Intended Use:** Wax

#### COMPANY IDENTIFICATION

**Supplier:** Industrial Raw Materials LLC  
39 West Mall  
Plainview NY 11803 USA

**24 Hour Health Emergency** 212-688-8080  
**Transportation Emergency Phone** 212-246-0205  
**Product Technical Information** 212-688-8080  
**SDS Internet Address** <http://irmwax.com>

### SECTION 2 HAZARDS IDENTIFICATION

GHS Classification: Not classified as dangerous under EC/GHS-criteria  
Human Health Hazards: None  
Physico-chemical and environmental hazards and effects: None

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	% by weight	CAS #
Microcrystalline Wax	100	see Annex

### SECTION 4 FIRST AID MEASURES

#### INHALATION

No emergency care anticipated. WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately. Exposed persons should be kept under medical observation for at least 48 hours because delayed effects may occur.

#### SKIN CONTACT

WHEN MOLTEN ONLY (molten product can cause thermal burns) – In serious cases, use emergency shower immediately. Immediately flush skin thoroughly with cold water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention.

#### EYE CONTACT

WHEN MOLTEN ONLY (molten product can cause thermal burns) – Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.

#### SWALLOWING

WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately. This is not a toxic substance.

### SECTION 5 FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use dry chemical or carbon dioxide (in case of small fires), water fog, foam.  
**Inappropriate Extinguishing Media:** Do not use water jet. Oil will float on water and can spread any fire.

## **FIRE FIGHTING**

### **Fire Fighting Instructions:**

Do not direct a solid stream of water or foam into burning material; this may cause spattering and spread the fire. If a rail or tank truck is involved in a fire, ISOLATE for 800 meters (0.5 mile) in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

### **Special protective equipment for firefighters:**

Self-contained breathing apparatus

### **Unusual fire and explosion hazards:**

Following products may be produced during a fire: oxides of carbon.

## **FLAMMABILITY PROPERTIES**

**Flash Point [Method]:** 200 - 220°C (392 - 428°F) min [ASTM D-92]

## **NFPA CLASSIFICATION USA**

Health: 0

Flammability: 1

Reactivity: 0

Special provisions: -

## **SECTION 6**

## **ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS**

Wear suitable protective equipment.

### **METHODS FOR CLEANING UP**

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. After cooling, scrape and/or shovel material. Stop the leak if it can be done without risk. Floor may be slippery; use care to avoid falling.

### **ENVIRONMENTAL PRECAUTIONS**

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank.

Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

## **SECTION 7**

## **HANDLING AND STORAGE**

### **HANDLING**

Do not handle at temperatures  $>+40^{\circ}\text{C}$ , unless wearing appropriate protective equipment.

### **VENTILATION**

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

### **STORAGE**

#### **Storage requirements**

Keep away from heat, sparks and flame. Do not store at temperatures:  $>+40^{\circ}\text{C}$  without proper safety review of storage equipment. Store protected from light.

## **SECTION 8**

## **EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **EXPOSURE LIMIT VALUES**

No exposure limits have been established.

### **OCCUPATIONAL EXPOSURE CONTROLS**

#### **Respiratory protection**

None expected to be needed.

**Hand protection/protective gloves** Wear oil resistant gloves. WHEN MOLTEN ONLY: wear gloves impervious to this material and able to resist and protect employees from the elevated temperature.

**Eye protection**

WHEN MOLTEN ONLY: Face shield or chemical splash goggles in case of splashing.

**Skin protection**

WHEN MOLTEN ONLY: Wear protective clothing, such as long sleeves to minimize skin contact.

**Environmental Exposure Controls:**

None expected to be needed.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Note:** Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

**GENERAL INFORMATION**

**Physical State:** Solid

**Color:** White to Brown

**Odor:** None or mild petroleum

**Odor Threshold:** N/D

**IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION**

**Flammability (Solid, Gas):** N/A

**Flash Point [Method]:** 200°C (392°F) min [ASTM D-92]

**Melting Point:** 67 - 98°C (152 - 208°F)

**Upper explosion limits:** Not determined

**Lower explosion limits:** Not determined

**Vapor Pressure:** <0.1 kPa at 20°C

**Density:** >0.80 g/cm<sup>3</sup> at 100°C

**Bulk Density:** Not available

**Solubility in Water:** Insoluble

**Solubility in organic solvents:** Soluble

**Kinematic viscosity:** 9 – 21 cSt at 100°C

**Boiling Point:** > 230°C

**pH:** N/A

**Specific gravity (H<sub>2</sub>O=1)** <1

**Partitioning coefficient log POW:** >6. This product is soluble in oil.

**Vapor Density:** N/A

**Percent volatiles:** Nil

**Autoignition Temperature:** No data

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Extreme temperature and direct sunlight / ultraviolet light.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS COMBUSTION PRODUCTS:** Burning can produce the following combustion products: Oxides of carbon and soot

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**GENERAL**

No evidence of harmful effects from available information.

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

**SECTION 13****DISPOSAL CONSIDERATIONS**

Dispose of in accordance with appropriate Federal, State and local regulations or incinerate.

**SECTION 14****TRANSPORT INFORMATION****ADR/RID**

This product is not regulated by ADR when transported at <100°C.

When transported above >100°C – UN3257 ELEVATED TEMPERAURE LIQUIDS, N.O.S. (9), III, **Class:** 9 (M9), **UN No.:** 3257, **Packaging Group:** III, **Hazard No.:** 99, **Label:** 9, **Technical Description:** Microcrystalline Wax

USA- This product is not regulated by DOT. Freight Description Road: 65 Petroleum Oil, N.O.I.B.N.

**IMDG/ICAO**

This product is not regulated by IMDG/ICAO.

FORBIDDEN BY AIR @ >= 100°C

**TDG-CANADA**

This product is not regulated by TDG.

**SECTION 15****REGULATORY INFORMATION****EC/GHS classification**

According to EC/GHS regulations this product is not classified or labeled

**New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)**

**Chemical name** Microcrystalline Wax

**EPA Hazard Categories (SARA 311, 312):** None

**WHMIS Classification:** This product is not a WHMIS controlled product.

**Chemical Inventory**

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this product are on the EINECS inventory.

United States: The ingredients of this product are on the TSCA inventory.

Australia: The ingredients of this product are on the AICS inventory.

Japan: The ingredients of this product are on the ENCS inventory.

**SECTION 16****OTHER INFORMATION****Recommended uses and restrictions**

Please consult the product and/or application information bulletins for this product.

**Further information, Europe**

Where appropriate, use CE approved personal protection equipment.

This Safety Data Sheet conforms to EC Directive 1907/2006 and amendments.

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