



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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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/cm³ 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 (H₂O=1) <1

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

Vapor Density: N/A

Percent volatiles: Nil

Autoignition Temperature: No data

SECTION 10 STABILITY AND REACTIVITY

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.

SECTION 11 TOXICOLOGICAL INFORMATION**GENERAL**

No evidence of harmful effects from available information.

SECTION 12 ECOLOGICAL INFORMATION

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.

Revision date: June 10, 2015

The information and recommendations contained herein are, to the best of IRM's knowledge and belief, accurate and reliable as of the date issued. You can contact IRM to insure that this document is the most current available from IRM. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted. The term, "IRM" is used for convenience, and may include any affiliates in which they directly or indirectly hold any interest.

