



MICROCRYSTALLINE WAX 75

**MATERIAL DATA SAFETY SHEET
(MSDS)****SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Trade name: MICROCRYSTALLINE WAX	Contact information:
CAS #: 63231-60-7	Medhim, JSC
Use of substance/preparation: Microcrystalline waxes typically used as a blending base in a variety of applications including cosmetic, pharmaceutical, food and general industrial.	446021, Zavodskaya str. 5, Sizran Samara region, Russia www.medhim.net , rudnik@medhim.net Tel./fax: +7-8466-91-12-45

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	% BY WEIGHT
MICROCRYSTALLINE WAX	63231-60-7	100

SECTION 3: HAZARD IDENTIFICATION AND FIRST AID MEASURES

GHS classification: Not classified as dangerous under EC/GHS-criteria

Human Health Hazards: None

Physico-chemical and environmental hazards and effects: None

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.

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

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.

Swallowing:

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



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SECTION 4: FIRE FIGHTING MEASURES

NFPA Classification

Health: 0

Flammability: 1

Reactivity: 0

Special provisions: 0

Extinguishing media**Suitable:** Treat as an oil fire:

- dry chemical
- carbon dioxide (in case of small fires)
- water fog
- foam

Unsuitable: Do not use water jet. Oil will float on water and can spread any fire.**Special fire fighting procedures**

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

Section 5: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear suitable protective equipment/

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.

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



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avoid falling.

Section 6: 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 7: EXPOSURE CONTROL AND 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.

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 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State:	Solid
Color:	White to yellow
Odor:	None or Mild Petroleum
Odor Threshold:	N/A

Important health, safety and environmental information



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Flammability	No Data
Evaporation Rate	No Data
Decomposition Temperature	No Data
Flash Point:	>93.4°C (200°F) Method: PMCC, ASTM D93
Upper explosion limits:	Not determined
Lower explosion limits:	Not determined
Vapor Pressure:	<0.1 kPa at 20°C
Density:	<0.80 g/cm ³ at 100°C
Bulk Density:	Not available
Solubility in Water:	Insoluble
Solubility in organic solvents:	Soluble
Kinematic viscosity:	13 – 18 mm ² /s at 100°C
Boiling Point:	>230°C
PH:	N/A
Specific gravity (H ₂ 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
Melting Point:	55 - 100°C unless specified below

Section 9: STABILITY AND REACTIVITY

Stability: Stable

Conditions/Materials to avoid: Extreme temperature and direct sunlight/ultraviolet light and strong oxidizing agents.

Hazardous combustion products

Burning can produce the following combustion products: Oxides of carbon and Soot

Hazardous polymerization: Will not occur.

Section 10: TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

Section 11: ECOLOGICAL INFORMATION

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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 12: DISPOSAL CONSIDERATION

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

Section 13: TRANSPORT INFORMATION

ADR/RID

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

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

Freight description road:

65 PETROLEUM OIL, N.O.I.B.N.

IMDG/ICAO

This product is not regulated by IMDG/ICAO.

Section 14: 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	CAS #	NEW JERSEY TS NUMBER
MICROCRYSTALLINE WAX	63231-60-7	

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.



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

Section 15: 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.

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