

SCHEDA TECNICA/ TECHNICAL DATA SHEET

MASTERWAX IDROWAX

IDROWAX

Descrizione: Idrowax di Masterix è completamente atossica, eco-friendly e solubile in acqua. La formulazione di Idrowax pensata per ottenere i pezzi vuoti all'interno, ha un'elevata solubilità in acqua ciò permette il suo veloce scioglimento, non contiene le materie tossiche per questo non necessita uno smaltimento particolare. Compatta e resistente ciò facilita l'estrazione degli oggetti dallo stampo. Ha un'eccellente fluidità che permette riempire completamente la cavità dello stampo in silicone.

The Masterix Idrowax is completely non-toxic, eco-friendly and water solved. The Idrowax formulation thought for obtain hollow objects, it has high water solubility that permits its fast dissolution, not contain toxic compounds for this reason its not need a particular disposal. Idrowax is compact and resistant that helps to remove it from the mold. It has an excellent flow that permits to completely fill internal of silicon mold.

Temperatura di utilizzo consigliata/Use temperature: 60 °C



Caratteristiche/ Characteristics:

Parametro/Parameters	Method	Value
Colore/Colour		Light grey
Temperatura di solidificazione/Freezing point	ASTM D938	48-53 °C
Temperatura di fusione/Melting point	ASTM E87	60 °C
Temperatura di decomposizione/ Degradation temperature		250 °C
Peso specifico/Specific Gravity (@ 20°C)	ISO 1183	1.15 g/ml
Durezza/Hardness	ISO 868	50 Shore D
Ritiro/Shrinkage		0.8 %
Viscosità/Viscosity at 60 °C	ASTM D5125	241 cSt
Water solubility (in 100 ml di H2O)		25g

Packaging:

Idrowax in pezzi disponibile in buste da 1 kg e 5 kg

Stoccaggio/ Storage:

Stoccare in un luogo asciutto al riparo dalla luce solare diretta, dal calore e dall'umidità. Evitare il contatto con il materiale riscaldato. Evitare riscaldamento alle temperature oltre 200 °C. Classe di stoccaggio: 11

Store in dry place far away from direct sunlight, heat and humidity. Avoid contact with heated materials. Avoid heating material over 200 °C. Storage class: 11.

Queste informazioni sono fornite in buona fede, basandosi sulle nostre conoscenze e vanno utilizzati come guida. Il cliente dovrebbe determinare l'adeguatezza di questo prodotto per il suo utilizzo e assumere tutti i rischi e conseguenze associati ad un utilizzo di questo prodotto. Unico reclamo che verrà gestito da Masterix s.r.l. è la sostituzione del nostro prodotto e non assumiamo nessuna responsabilità riguardo a un non corretto smaltimento e gli incidenti dovuti ad un non adeguato o insolito utilizzo.

This information is offered in good faith, based on our knowledge and meant only as a guide. Masterix s.r.l. shall not be responsible for the use of this information, or any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employee and purchasers of your product. The only complain that will handle by Masterix s.r.l is replacement of our product.

Leggere Scheda di sicurezza prima dell'utilizzo del prodotto

Read Safety Data Sheet before using a product.

Masterix S.r.l.

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MATERIAL SAFETY DATA SHEET

Section 1. Material identification and company information:

Safety data sheet: general information

Material identification: Idrowax Masterix

Synonyms: Injection wax, Water-soluble

General Use: It generally used in jewellery industry for hollow pieces.

Manufacturer: Masterix s.r.l

Address: Street Luigi Galvani 59/61, 52100, Arezzo, Italy

Email: masterix@masterix.it

Telephone: +39 0575 368335

European Emergency number: 112

SECTION 2: Hazards identification

Material is non classified as hazard regarding to regulation (CE) n. 1272/2008

- a. Hazard classification: Skin corrosion/ Irritation: Category 2
Serious Eye Damage/ Eye irritation: Category 2
Specific target organ toxicity (single exposure): Category 3 (Respiratory system irritation)
- b. Label elements including precautionary statements
Hazard statement: H317 May causes an allergic skin reaction
H320 Causes an eye irritation
H335 May cause respiratory irritation

Prevention:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P264 Wash handling thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection

Response:

- P321 Specific treatment-refer to supplemental first aid instructions
- P302+P352 If on skin: wash with plenty of soap and water
- P304+P340 if inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If any kind of irritation persist get medical advice/attention.

SECTION 3: Composition/information on ingredients

CAS-number: 25322-68-3

Exact composition is a trade secret. Details available to qualified medical personnel in emergency situations.

SECTION 4: First aid measures

- a. When in contact with eyes:
 - Eye contact when chemicals Wash with plenty of water for at least 15 minutes
 - If the chemical gets into the eyes, get immediate medical examination
- b. When in contact with skin:
 - Contaminated clothing and shoes and wash before reuse
 - Remove the contaminated clothing and footwear Wash the wound with soap and water for at least 15 minutes
 - If the skin is one symptom occurs, get medical attention
- c. When inhaled:
 - If inhaled chemicals, get medical treatment immediately
 - When the effects caused by exposure to Make Move victim to non-contaminated areas, seek medical attention
- d. When ingested:
 - Do not induce vomiting
 - Drink plenty of water
- e. General advise: o No data

SECTION 5: Firefighting measures

Extinguishing media: Foam, CO₂ and dry powder

Extinguishing media which must not be used for safety reasons: Water jet

Special hazards arising from the substance or mixture

In case of fire the following substance can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Smoke

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

- Remove persons to safety.
- Wipe away the product. Spilled product may create a risk of falling due to slippery ground.

Personal protection equipment: see section 8

Environmental precautions: Avoid dispersal of material and contact with soil, waterways, drains and sewers. For more information see section 12, Ecological information.

Methods and material for containment and cleaning up:

Avoid dust formation

Take up mechanically

SECTION 7: Handling and storage

Precautions for safe handling: Keep away from food – no smoking. Avoid a dust formation and deposition. Avoid skin contact with hot material. Minimize breathing wax fumes. Keep container closed.

Conditions for safe storage, including any incompatibilities: Store away from heat, flame and direct sunlight. Store container at cool and aired place.



SECTION 8: Exposure controls/ personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Respiratory protection

Use fine dust mask with P1 filter in case of dust development

Eye protection

Safety goggles with side protection

Skin protection

Protective clothing

General protective measures

Do not inhale dust/fume-aerosols

Hygiene measures

At work do not eat, drink and smoke

Wash hands before breaks and after work.

Exposure Limits: not available.

Exposure Limits when overheated (fume): Paraffin Wax (Fume) TWA: 2 STEL: 6 (mg/m³) [Canada] TWA: 2 (mg/m³) from OSHA (PEL) [United States] TWA: 2 (mg/m³) from ACGIH (TLV) [United States] TWA: 2 (mg/m³) from NIOSH [United States] TWA: 2 STEL: 6 [United Kingdom (UK)] Consult local authorities for acceptable exposure limits.

SECTION 9: Physical and chemical properties

Appearance: Solid

Shape: Drops

Colour: Light grey

Odour: Mild

Odour threshold: No data available.

pH value in delivery state: Not applicable.

Melting point: 58-60°C.

Congealing temperature: 53-58 °C

Flash point: >250 °C

Explosive properties: not applicable

Decomposing temperature: over 250 °C

Solubility in Water: Soluble 25 g in 100 ml di H₂O

Density at 20 °C: 1.15 g/cm³

Kinetics Viscosity: (60 °C) 241 cSt.

SECTION 10: Stability and reactivity

Stability: Stable.

Conditions to Avoid: Direct contact with open flame.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition Product: Primarily CO and CO₂ on combustion.



SECTION 11: Toxicological information

Eye contact: Molten wax fumes may be slightly irritating to the eyes.

Skin contact: Molten wax will cause burns on contact with skin.

Inhalation: Molten wax fumes may cause mild (upper) respiratory irritations.

Ingestion: No specific information identified.

Other medical effects: None Known.

SECTION 12: Ecological information

Toxicity

Toxicity aquatic:

8002-74-2 paraffin waxes and hydrocarbons

EL50 > 10000 mg/l (daphnia)

LL50 > 100 mg/l (fish)

NOEL > 100 mg/l (algae) (acute)

10 mg/l (daphnia) (Long-term)

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise

Ecotoxicity: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available

Other adverse effects

If used as directed no ecologically harmful effects are known or expected.

SECTION 13: Disposal consideration

Waste must be disposed of in accordance with national and local environmental control regulations.

Recommendations for packaging: Remove in accordance with local official regulations.

SECTION 14: Transport information

Transport ADR/RID/ADN

The product is not subject to ADR/RID/AND regulations.

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

SECTION 15: Regulatory information

Material Safety Data Sheet according to Regulation (CE) No. 1907/2006.

This product is not classified as dangerous according to CE criteria.

Health, safety and environmental legislation and regulations specific to the substance or mixture (Labelling according to Regulation (EC) No. 1272/2008: not applicable

Directive 2012/18/UE Specified dangerous substances - ANNEX I: The substance is not contained

SECTION 16: Other information

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The information and recommendations contained herein are based upon data believed to be correct up to our knowledge. However, no guarantee or warranty of any kind,

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