

Revision Date: 18.01.2019
MSDSIND/SOPL/Version 2

MSDS FOR UNFILLED PATTERN WAX

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier:

Trade name: A UNFILLED PATTERN Wax is used for producing wax patterns to be used in Investment Casting.

1.1.1 Product Name: UPWEX200

1.1.2 IEC Number: 3106002549

1.1.3 Registration Number (CIN NO.): 24119 PN2005 PTC020116

1.2 Relevant Identified Uses of The Substance or Mixture and Uses Advised Against:

1.2.1 Product Category: General use of Filled Wax.

1.2.2 Application of The Substance or The Mixture: Used for Investment Casting.

1.3 Details of The Supplier of The Safety Date Sheet:

Manufacturer / Importer / Supplier:

SAFFROSHINE ORGANICS PRIVATE LIMITED

L-28, Chincholi MIDC, Solapur, Maharashtra, India – 413 255.

Tel.: + 91 217 2357272

Email: sales@saffroshine.com

Website: www.saffroshine.com

1.4 Hospital & Ambulance Telephone Number: 0217-2323001

Fire extinguisher: 02181-2357123

Police Station: 0217-2732017

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

2.1 Chemical Characterization: Substances: This is blend of Natural Waxes, Synthetic Waxes, Resin Modified Easter Gum.

2.2 Chemical Formula: Not Applicable.

2.3 Physical characterization: Solid in Nature

Description: Material is a blend of different type of polymers and waxes, possibly with non-hazardous additions. Also, solid material will not cause any kind of skin sensitization and allergic dermatitis.

SECTION 3: HAZARDS IDENTIFICATION

CAUTION !

MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS.

Hazard Ratings: Health – 1, Flammability – 1, Chemical Reactivity – 0

Rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

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SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 General Information:

Take affected persons out of danger area and lay down.

4.1.2 After inhalation:

Take affected persons into fresh air and keep calm.

4.1.3 After skin contact:

After contact with the molten product, cool rapidly with cold water.
Do not peel the solidified product from skin.
Seek immediate medical attention.

4.1.4 After eye contact:

Ambient wax particles flush with tepid water for at least 15 minutes.
Seek immediate medical attention.

4.1.5 After ingestion:

Do not induce vomiting.
Rinse out mouth and then drink plenty of water.

SECTION 5: FIREFIGHTING MEASURES

5.1 Flash Point: > 360°C (Cleveland Open Cup, ASTM D-92)

5.2 Auto Ignition Temperature: >360° C

5.3 Flammable Limits: When the material overheated above 150°C.

5.4 Extinguishing Media: Water spray, alcohol foam, carbon dioxide, & dry chemical. Don't direct stream of water

5.5 Special Fire Fighting Procedures: No further relevant information available.

5.6 Unusual Fire and Explosion Hazards: As with most organic matter.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Spill Response: confine spills of molten material and allow solidifying.

6.2 Sweep up and place in a clearly labeled container for chemical waste.

SECTION 7: HANDLING AND STORAGE

7.1 Personal Precautionary Measures: Avoid fumes and contact with molten wax.

7.1.1 Information about fire the and explosion protection: No special measures required.

7.2 Storage: Store at ambient temperatures and avoiding contamination with inorganic material like ceramic.
Avoid direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters:

8.1.1 Ingredients with limit values that require monitoring at workplace: not required.

8.1.2 Additional Information: The lists valid during making were used as basis.

8.2 Exposure Control:

8.2.1 Ventilation: Good general ventilation should be used. Ventilation rates should be matched to conditions.
Supplementary local exhaust ventilations.

8.2.2 Respiratory Protection: Not required.

8.2.3 Protection of hands: Use chemical-protective gloves.

8.2.4 Eye Protection: Safety glasses and wear a face shield when working with hot wax.

8.2.5 Body Protection: Use protective suit while the working with molten wax.

8.2.6 Limitation and supervision of exposure into the environment: Prevent spills from reaching surface waters or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

General Information:

Appearance: Solid at room temperature

Form: Solid at room temperature

Colour: Green

Odour: Not determined.

pH-value: Not applicable

Change in condition:

Melting point/freezing point: See Technical Data Sheet.

Initial boiling point and boiling range: Not determined

Flash point: > 360°C (Cleveland Open Cup, ASTM D-92)

Flammability (solid, gas): Not applicable

Ignition temperature: When the material overheated above 150°C.

Decomposition temperature: Not determined.

Auto-ignition temperature: >360° C

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower and Upper: Not determined

Vapour pressure: Not determined

Density: Not determined

Relative density: Not determined

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Vapour density:	Not determined
Specific gravity (H₂O=1):	~ 0.01 @ 25°C
Solubility in water:	Insoluble
Viscosity (dynamic and kinematic):	Not determined
Solvent content:	
Oxidizing properties:	Not determined
9.2 other information:	No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Stability: Extended exposure to temperatures above 120°C for long time of period may cause degradation of the material.

10.2 Reactivity: Stable under recommended conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

11.2 Primary irritant effect:

Skin irritation: Based on available data, the classification criteria are not met.

Serious eye irritation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and reprotoxic):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reprotoxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

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Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

The product components are not classified as dangerous for the environment or the quantities are not relevant. Larger or frequent spills can be dangerous or harmful to the environment. Material is not expected to be eco toxic to fish and animal.

12.1.1 Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: Not Determined.

12.3 Other adverse effects: No further relevant information available.

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SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods:

Recommendation:

Observe the locally applicable regulations.

Can usually be uncinated. Dispose of in accordance with all applicable federal, state and local regulations.

Waste disposal method: As per rules and regulations of National norms.

13.2 Contaminated packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION INFORMATION

14.1 Environmental hazards: not hazards

14.2 Special precautions for user: not applicable

14.3 Transport in bulk: not applicable.

14.4 The product is not classified as dangerous for carriage.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the mixture:

15.1.1 Named dangerous substances: Substance is not listed

15.1.2 Water hazards class: Generally, not hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

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