

# Marcus Oil & Chemicals Pvt. Ltd.

## Materials Safety Data Sheet

### Polyethylene Wax

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#### Section 1 : Chemical Product and Company Identification

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Product : MARCUS POLYETHYLENE WAX ( PR 700 )

Product Description : White Wax

Chemical Name : High Density Polyethylene Wax

Synonyms : Polyethylene Wax, Polyethylene Homopolymer Wax, PE Wax, Polyolefin Wax, Polymer Wax, Resin Wax.

Chemical Family : Polyethylene Homopolymer Wax

Manufacturer : Marcus Oil & Chemical Pvt. Ltd.  
Vill. Kasberia, H. P. L. Link Road,  
Haldia-721602,  
West Bengal, INDIA

24-Hour Emergency Assistance  
CHEMTREC 800 424-9300

General MSDS Assistance  
Marcus Oil 001 713 721-9131

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#### Section 2 : Composition

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<u>Ingredient Name</u>	<u>CAS #</u>	<u>WEIGHT %</u>
Polyethylene Wax	9002-88-4	>99

The additives (if any are present in this product) are encapsulated in a thermoplastic resin with limited release under normal conditions of use, transportation, and storage. Increased release may occur when the resin (or Material / product manufactured from it) is subject to grinding, polishing, excessive heat, or other processes which enhance the potential for the generation of particles, fumes, and / or vapors. The specific potential for release under user's conditions of handling of this material should be evaluated by a qualified health specialist.

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#### Section 3 : Hazards Identification

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**EMERGENCY OVERVIEW**      These products are not hazardous as defined in 29 CFR 1910.1200.

**Potential Health Hazards :**

**Skin**      Not a primary irritant. Molten wax will cause burns upon contact.

**Eyes**      Molten wax fumes may be slightly irritating to eyes.

**Inhalation**      Molten wax fumes may cause mild respiratory irritation.

**Ingestion**      No known effects. Products have low toxicity (acute oral > 2500 mg/kg.)

**Symptoms**      Mild irritation as noted above.

Revised December 01, 2011

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**Section 4 : First Aid Measures**

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<b><u>Skin Contact</u></b>	If burned by hot product, obtain medical attention immediately. In the event of skin contact with product under other conditions, wash thoroughly with soap and water. Removal of product from skin may be aided by use of waterless hand cleaner.
<b><u>Eye Contact</u></b>	If hot product splashes into eyes, flush immediately with clear cold water. Contact Physician immediately.
<b><u>Inhalation</u></b>	If overcome by fumes, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation. Administer oxygen if available.
<b><u>Ingestion</u></b>	Products are not acutely toxic and in any case ingestion is unlikely to occur. If a product is ingested, follow appropriate action as when any foreign object is swallowed.
<b><u>Chronic Health</u></b>	No known chronic Health effects.

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**Section 5 : Fire Fighting Measures**    NFPA: Health 0, Fire 1, Reactivity 0

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**Flammability Properties**

**Flammability Classification :** Combustible waxy solid

**Flash Point Method :** >455° F  
ASTM D-92

**Auto Ignition Temperature :** Not known

**Flammable Limits**  
**Upper :** Not applicable  
**Lower :** Not applicable

**Extinguishing Media**

Use carbon monoxide, dry chemical, or fine water spray. Avoid direct stream of water as product will float and can re-ignite on the surface of the water stream.

**Fire fighting Instruction**

Materials will not burn unless preheated. Do not enter confined fire space with out full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water. In powder form, static electricity may lead to explosions. See NFPA bulletin 654. Take precaution as materials may cause floors and stairs to become slippery.

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**Section 6 : Accidental Release Measures**

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**Release Response :**

Use good housekeeping practices since spilled material may be a slipping hazard. Collect material in a drum (may be fiberboard) or carton using care of scatter as little dust as possible. May burn although not readily ignitable. Use cautions judgement when cleaning up large molten spills. With small molten spills wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Allow wax to cool and remove as solid.

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**Section 7 : Handling and Storage**

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**Handling:**

Avoid breathing fumes from heating Process. Avoid spillage as floors can become slippery.

**Storage:**

Avoid excessive heat and strong oxidizing agents. Use adequate ventilation during heating process. For storage and ordinary heating, general ventilation is adequate.

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**Section 8 : Exposure Control and Personal Protection**

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**Engineering Controls:**

Use adequate ventilation during heating process. For storage and ordinary handling, general ventilation is adequate.

**Personal Protection:**

**Skin Protection:** Wear heat protective gloves and long sleeve clothing if there is potential for contact with heated material.

**Eye Protection** Wear safety glass as minimum protection. Consult you standard operating procedures or safety professional for advice. Use protective eye and face devices that comply ANSI Z87.11-1987.

**Respiratory** Use an organic vapor respirator when melting or conveying product.

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**Section 9 : Physical and Chemical Properties**

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<b>Appearance:</b>	Grey -White Wax
<b>Odor:</b>	Typical mild waxy odor
<b>Density:</b>	0.8 – 1.0 g/cc
<b>Water Solubility:</b>	Negligible
<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	Not determined (Range 90~110° C)
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable

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**Section 10 : Stability and Reactivity**

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<b>Chemical Stability:</b>	This product is stable at normal conditions.
<b>Conditions to Avoid:</b>	Avoid contact with strong oxidizing agents.
<b>Incompatible With:</b>	Strong oxidizing agents.
<b>Hazardous Products Of Decomposition:</b>	Carbon monoxide, carbon dioxide and combustible gases may be generated
<b>Hazardous</b>	Will not occur
<b>Polymerization:</b>	Will not occur
<b>Reaction with Air:</b>	Does not react with air or other common materials.

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**Section 11 : Toxicological Information**

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<b>Skin Effects:</b>	No skin effects are expected from polymer contact.
<b>Oral Effects:</b>	Acute oral toxicity in rats: LD 50 >8 g/kg

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**Section 12 : Ecological Information**

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**Ecotoxicity :** Ecotoxicity is expected to be low based on the low water solubility of the product.  
**Environmental Fate:** No information found in our selection references.  
**Bioaccumulation:** Not expected to occur.

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**Section 13 : Disposal Considerations**

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**RCRA:**

The unused product is not a RCRA hazardous waste if discarded. Products are organic in nature and not biodegradable. Discard unused material as non-hazardous organic solid waste. Dispose of product in an appropriate facility in compliance with local state and federal regulations.

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**Section 14 : Transportation Information**

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**US DOT Hazardous Class:** Not regulated  
**US DOT ID Number:** Not applicable

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**Section 15 : Regulatory Information**

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**Toxic Substance Control Act (TSCA)**

**TSCA Inventory Status:** Product are listed on TSCA Chemical Inventory

**Other TSCA Issue:** None

**SARA Title III/CERCLA:**

<b><u>Ingredient</u></b>	<b><u>SARA/CERCLA RQ (lbs)</u></b>	<b><u>SARA EHS TPQ (lbs)</u></b>
No ingredients listed in this section.		

**State Right to Know**

In addition to ingredients found in Section 2, the following are listed for state right to know purposes.

<b><u>Ingredient</u></b>	<b><u>Wt%</u></b>	<b><u>Comment</u></b>
No ingredients listed in this section		

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**Section 16 : Other Information**

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**Latest Revision Date:** December 01, 2003

**Previous Revision Date:** July 31, 2002

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**End of Document**

**For: - Marcus Oils & Chemicals Pvt. Ltd.**

**Nirmal Kumar Sahoo**