

*Marcus Oil & Chemical*  
**Material Safety Data Sheet**  
Oxidized Polyethylene Homopolymers

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**SECTION 1: Chemical Product and Chemical Identification**

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**Product:** Marcus 3300, 3400P, 3400T, 3500

**Product Description:** White pastilles, prills, flakes, and powder

**Chemical Name:** Oxidized Polyethylene Wax

**Chemical Family:** Oxidized Polyethylene Homopolymer Wax

**Manufacturer:** Marcus Oil and Chemical  
14549 Minetta  
PO Drawer 450267  
Houston Texas 77245

**24 Hour Emergency Assistance**

CHEMTREC 800 424 9300

**General MSDS Assistance**

Marcus Oil 713 721 9131

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**SECTION 2: Composition**

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| <u>Ingredient Name</u>    | <u>CAS #</u> | <u>WEIGHT %</u> |
|---------------------------|--------------|-----------------|
| Oxidized Polyethylene Wax | 68441-17-8   | 100             |

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**SECTION 3: Hazards Identification**

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**EMERGENCY OVERVIEW**

High level of dust in the atmosphere may present a dust explosion hazard. These products are not hazardous as defined in 29CFR 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. Dust particles may cause burns upon contact.

**Inhalation** Molten wax fumes may cause mild respiratory irritation. Powder may cause minor nuisance irritation.  
Exposure limit for total product (threshold limit value):  
OSHA regulation 29 CFR 1910.1000 recommended by ACGIH  
5 mgms/m<sup>3</sup> (respirable dust)  
10 mgms/m<sup>3</sup> (total dust)

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

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**Symptoms**           Mild irritation as noted above.

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**SECTION 4: First Aid Measures**

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**Skin Contact**           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.

**Eye Contact**           If hot product splashes into eyes, flush immediately with clear cold water. Contact physician immediately.

**Inhalation**           If overcome by fumes, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation. Adminster oxygen if available.

**Ingestion**           Product 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.

**Chronic Health**       No know chronic health effects.

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**SECTION 5: Firefighting Measures   NFPA: Health 0, Fire 1, Reactivity 0**

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**Flammability Properties**

**Flammability Classification:**   Combustible solid

**Flash Point:**           >450°F  
**Method:**                ASTM D-92

**Auto Ignition Temperature:**   Not known

**Flammability 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.

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### **Oxidized Polyethylene Homopolymers**

#### **Firefighting Instructions**

Material will not burn unless preheated. Do not enter confined fire space without 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 material 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. When dealing with powdered grade, keep away from heat, flame, and remove ignition sources. Collect material in a drum (may be fiberboard) or carbon using care to scatter as little dust as possible. May burn although not readily ignitable. Use cautions judgment 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 or if dusty conditions occur during handling of powdered material. For storage and ordinary handling, 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, or if dusty conditions occur during handling of powdered material. 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 materials.

**Eye Protection:** Wear safety glasses 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.

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**Respiratory:** Use a NIOSH approved dust respirator, if dusty conditions prevail. Use an organic vapor respirator when melting or conveying product.

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**SECTION 9: Physical and Chemical Properties**

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**Appearance:** White pastilles, flakes, or powder

**Odor:** Typical mild waxy odor

**Density:** 0.94-0.98

**Water Solubility:** Negligible

**pH:** Not applicable

**Boiling Point:** Not applicable

**Melting Point:** 180° -260°F

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Evaporation Rate:** Not applicable

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**SECTION 10: Stability and Reactivity**

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**Chemical Stability:** This product is stable at normal conditions.

**Conditions to Avoid:** Avoid contact with strong oxidizing agents

**Incompatible With:** Strong oxidizing agents.

**Hazardous Products Of Decomposition:** Carbon monoxide, carbon dioxide, and combustible gases may be generated.

**Hazardous Polymerization:** Will not occur.

**Reaction with Air:** Does not react with air or other common materials.

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**SECTION 11: Toxicological Information**

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**Skin Effects:** No skin effects are expected from polymer contact.

**Oral Effects:** Acute oral toxicity in rats: LD50>2500 mg/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 selected 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:** Products are listed on TSCA Chemical Inventory

**Other TSCA Issue:** None

**SARA Title III/CERCLA:**

**SARA/CERCLA**

**SARA EHS**

**Ingredient**

**RQ (lbs)**

**TPQ (lbs)**

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.

**Ingredient**

**Wt%**

**Comment**

No ingredients listed in this section

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**WHMIS Classification (Canada)**    Not subject to WHMIS classification

**Foreign Inventory Status:**

Canadian DSL (Domestic Substance List)  
EINECS (European Inventory of Existing Commercial Substances)  
Australian Chemical Inventory  
Japanese Chemical Inventory  
Korean Inventory  
Philippine Inventory

**FDA Status:**

The products comply with identity specified in 21CFR 172.888 and consequently meet the requirements (subject to the limitations and restrictions which are applicable in specific regulations) of the following:

|               |                |                |                |
|---------------|----------------|----------------|----------------|
| 21CFR 172.260 | 21CFR 175.320  | 21CFR 176.210  | 21CFR 177.2600 |
| 21CFR 175.105 | 21CFR 176.170  | 21CFR 176.1200 | 21CFR 177.200  |
| 21CFR 175.125 | 21CFR 176.180  | 21CFR 177.1210 | 21CFR 178.3570 |
| 21CFR 175.200 | 21CFR 177.1620 | 21CFR 177.3850 | 21CFR 179.45   |

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**SECTION 15: Other Information**

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**Latest Revision Date:**        January 03, 2011

**Previous Issue Date:**        January 03, 2011

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