

**SAFETY DATA SHEET**(Compliant with EU CLP/REACH, GHS, WHMIS, EU DSD/DPD, OSHA HCS) **MOCPL****MARCUS POLYETHYLENE WAX (HOMOPOLYMER GRADES)****ID: MOC-SDS-MPEH-001****SECTION 01:: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING****1.1 PRODUCT IDENTIFIER :**

Product Name : MARCUS 200, MARCUS 300, MARCUS 500, MARCUS 600.
 Product Code : M200, M300, M 500, M 600

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST :

Relevant Identified Uses: Used as additives, anti-blocker, high gloss agent, dispersing agent, gelling agent, flattening agent, suspending agent, lubricant etc. and plastic molding, coating, emulsions etc for multiple uses in many industrial applications like Asphalt, Cable filling, Concentrate, Corrugated, Expanded PS Foam, Fruit Coating, Hot melt adhesive Hot melt road marking, Metal protection, Mold release, Paint, Paper Coating, Polish, Printing ink, PVC compounding, Rubber processing etc.

Uses Advised Against : None.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET :

MARCUS OIL & CHEMICAL (MOC)
 14549, Minetta (77035), P O-Drawer 450267,
 Houston-TX 77245, USA,
 Ph: (800) 713 721 9131
 E-mail: contactus1@marcusoil.com
 Web Site: www.marcusoil.com

MARCUS OILS & CHEMICALS PVT. LTD. (MOCPL)
 Vill: Kasberia, HPL Link Road, PO-Shibramnagar,
 Haldia-721635, Purba Medinipur, W.B., India.
 Ph : 091 3224 276541, Fax : 091 3224 276696,
 E-mail: contactus1@marcusoil.com
 Web Site: www.marcusoil.com

For More Information Call :

MOC (24Hrs.) : (800) 713 721 9131

MOCPL (24Hrs.) : (+91) 3224-278106

1.4 EMERGENCY TELEPHONE NUMBER :

CHEMTREC (USA): +1-800 424 9300,
+1-703-527-3887

Common Poisons Information Centre, AIIMS, New Delhi, India
 Tel. No.: +91 1126589391, +91 1126593677,
 Fax: +91 1126588641, +91 1126588663

SECTION 02:: HAZARDS IDENTIFICATION

EU/EEC :: According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] & According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD).

2.1 Classification of the substance or mixture

CLP : Not classified.
 DSD/DPD : Not classified.

2.2 Label Elements

CLP **Hazard** : No label/pictogram element(s) required
 DSD/DPD **Risk phrases** : No label/pictogram element(s) required

2.3 Other Hazards

CLP : May form combustible dust concentrations in air. According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
 DSD/DPD : May form combustible dust concentrations in air. According to European Directive 1999/45/EC this material is not considered dangerous.





SAFETY DATA SHEET

(Compliant with EU CLP/REACH, GHS, WHMIS, EU DSD/DPD, OSHA HCS) MOCPL

MARCUS POLYETHYLENE WAX (HOMOPOLYMER GRADES)

ID: MOC-SDS-MPEH-001

UNITED STATES (US) :: According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012: Not classified

2.2 Label elements

OSHA HCS 2012 **Hazard statements:** No label element(s) required.

2.3 Hazards

OSHA HCS 2012 : As shipped, product is not hazardous. Under United States Regulations 29 CFR 1910.1200- Hazard Communication Standard [As per OSHA regulation exposure limit for total product (threshold limit value) recommended by ACGIH are 5 mgms/m3 (respirable dust)&10 mgms/m3 (total dust)], this product is not considered as hazardous.

CANADA :: According to WHMIS

2.1 Classification of the substance or mixture

WHMIS : Not classified

2.2 Label elements

WHMIS : No label/pictogram element(s) required.

2.3 Other hazards

WHMIS : May form combustible dust concentrations in air. In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

GHS : Not classified according to the regulation EC 1272/2008 (EC-GHS) and ATP.

OTHER HAZARDS : High level of dust in the atmosphere may form combustible dust-air mixtures. During processing dust may form explosive mixture in air. Static charges on powders or powders in liquids may ignite combustible atmospheres. Product dust may be irritating to eyes, skin and respiratory system. Thermal decomposition can lead to release of irritating gases and vapors. The molten product upon skin contact can cause burns.

- See Section 12 for Ecological Information.

SECTION 03 :: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances :

CHEMICAL NAME OF INGREDIENTS	CAS NUMBER	EC NUMBER	CONCENTRATION (WEIGHT %)
Polyethylene Wax	9002-88-4	Polymer	100

3.2 Mixtures : Material is 100% polymer of Ethylene and does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

SECTION 04 :: FIRST AID MEASURES

- As a general rule, in case of doubt or if symptom persist, always call a doctor.
- NEVER induce swallowing in an unconscious person.

4.1 Description of first aid measures :

SKIN EXPOSURE : If molten material comes in contact with the skin or thermal burns, flush or submerge effected area in ice cooled water or a running stream of water to dissipate heat. Cover with clean bandage material. Do not peel material from skins as this could result in severe tissue damage. Get medical attention. For contact at ambient temperatures, wash with soap and water.



**SAFETY DATA SHEET**(Compliant with EU CLP/REACH, GHS, WHMIS, EU DSD/DPD, OSHA HCS) **MOCPL****MARCUS POLYETHYLENE WAX (HOMOPOLYMER GRADES)****ID: MOC-SDS-MPEH-001**

- EYES EXPOSURE** : Molten wax fumes or dust particles may be slightly irritating to eyes. If molten material should splash into eyes, flush eyes immediately with fresh water for 15 minutes while holding the eyelid open. Remove contact lenses, if worn. If irritation persists get immediate medical attention.
- INHALATION** : Molten wax fumes may cause mild respiratory irritation. Powder may cause minor nuisance irritation. In that case move victim to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. If breathing difficulties continue give oxygen. If signs/symptoms continue, get medical attention.
- INGESTION** : Not a probable route of exposure. First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If person is conscious, rinse mouth with water. Do not induce vomiting unless directed to do so by the qualified physician.

4.2 Most important symptoms and effects, both acute and delayed:

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician** : No specific advice other than above. Treat according to symptoms present. Burns should be treated as thermal burns. Material forms solid under room temperature & body temperature. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

SECTION 05 :: FIREFIGHTING MEASURES**5.1 Extinguishing Media**

- Suitable Extinguishing Media** : Water fog, dry chemical power, foam, carbon dioxide. Inert gas blanketing if possible.
- Unsuitable Extinguishing Media** : Under excessive water jets product could float and can re-ignite on the surface of the water stream.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Hazardous Combustion Products** : Carbon dioxide, carbon monoxide, formaldehyde, acetaldehyde, irritating smoke, original monomer & other hydrocarbon oxidation products that generates when combusted.

5.3 Advice for firefighters

- Use a mask with universal filler.
- Wear positive pressure self-contained breathing apparatus (SCBA) approved by NIOSH or similar approving authority.
- Structural firefighters' protective clothing will only provide limited protection.
- High level of dust content static electricity may lead to explosions. (See NFPA Bulletin 654).
- Watch footing on floors and stairs because of possible melting and spreading of material to become slippery.
- Use water fog spray to keep area cool.



**SAFETY DATA SHEET**(Compliant with EU CLP/REACH, GHS, WHMIS, EU DSD/DPD, OSHA HCS) **MOCPL****MARCUS POLYETHYLENE WAX (HOMOPOLYMER GRADES)****ID: MOC-SDS-MPEH-001****SECTION 06 :: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures :**

- For non fire-fighters** : Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
If a large quantity has been spilt, evacuate all personnel and only allow trained operators duly equipped with safety apparatus.
- For fire-fighter** : Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
- Personal Precautions** : Do not walk through spilled material. Do not breathe dust. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, Avoid direct contact.
- Emergency Procedures** : Contain spill and monitor for excessive dust accumulation. Avoid unnecessary personnel and equipment traffic in the spill area. Ventilate closed spaces before entering.

- 6.2 Environmental precautions** : Discharge into the environment must be avoided.
Prevent any material from entering drains or waterways.
Contain and control the leaks/spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
PE Wax floats in water and it could be possible to separate/recover once the emergency is over.

6.3 Methods and material for containment and cleaning up :

- Containment/Clean-up Measures:** Avoid generating dust. Collect spilled material using a method that minimizes dust generation (e.g. wet methods, HEPA vacuum).
Use clean non-sparking tools to collect material.
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Clean preferably with a detergent; do not use solvents. Use care during clean-up to avoid exposure to the material and injury from broken containers. Place waste in appropriate containers for disposal.
For 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. Use cautions judgment when cleaning up large molten spills.

- 6.4 Reference to other sections** : Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

SECTION 07 :: HANDLING AND STORAGE**7.1 Precautions for safe handling :**

- Handling** : Avoid contact with molten material; do not breathe fumes, vapors, dust or sprays from molten or burning material. When processing at above Flash Point, consider use of a respirator to avoid breathing decomposition products.
Use appropriate Personal Protective Equipment (PPE) Avoid contact with skin and eyes. Do not breathe dust. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco.
Remove and wash contaminated clothing before re-using.



