

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>COMMON NAME:</b>	MBBlendwax 110	
<b>CHEMICAL NAME:</b>	Hydrocarbon wax and Calcium stearate Lubricant package	
<b>FORMULA:</b>	Mixture	
<b>Recommended Use:</b>	PVC Pipe.	
<b>SUPPLIER:</b>	Charlotte Pipe and Foundry Company.	
<b>ADDRESS:</b>	4210 Old Charlotte Hwy	
<b>CITY, STATE, ZIP:</b>	Monroe, NC 28110	
<b>PHONE:</b>	+1-704-372-3650	<b>EMERGENCY PHONE:</b> 1-800-424-9300 (Chemtrec)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS #	WEIGHT %
Hydrocarbon waxes	Trade Secret	45 - 55
Oxidized polyethylene	68441-17-8 4-6	5 - 15
Calcium stearate	1592-23-0 35-45	35 - 45

Trace impurities and additional material names not listed above may also appear in the Regulatory Information section (#15) towards the end of the SDS. These materials may be listed for local "Right to Know" compliance and for other reasons.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Product is an off-white powder. Exposure to fumes may cause irritation.  
Contact with molten material may cause thermal burns. Powdered material in air may form an explosive mixture. No other significant immediate health, physical, or environmental hazards are associated with this material.

### POTENTIAL HEALTH HAZARDS:

**SKIN:** Prolonged or repeated contact may cause irritation. Contact with molten product may cause thermal burns.

**EYES:** Particulates may cause mechanical irritation. Exposure to wax fumes may cause irritation.

**INHALATION:** Treat powder as nuisance particulates. Fumes may cause irritation of the nose and throat, and nausea.

**INGESTION:** No adverse effects known.

**DELAYED EFFECTS:** None known.

**Ingredients found on one of the OSHA designated carcinogen lists are listed below.**



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### Personal precautions, protective equipment, and emergency measures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with decomposition products or fumes from burning or excessive heating, take note of information in Section 8 on suitable and unsuitable materials. See also information in "for non-emergency personnel."
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

### Methods and materials for containment and clean-up

Small spill	Avoid dust generation. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. See Section 1 for emergency contact information.
Large spill	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, waterways, basements, and confined areas. Avoid dust generation. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. See Section 1 for emergency contact information.

## 7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities	Store in a dry place away from direct sunlight, heat, and incompatible materials. Avoid intense heat and flames.
<b>Precautions for safe handling</b>	
Protective measures	Avoid prolonged or repeated contact with the skin, and breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors.
Advice on general occupational hygiene	Employees must wash hands and face before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below recommended and statutory limits.

**RESPIRATORY PROTECTION:** Use a NIOSH approved dust respirator with powdered grades if dusty conditions prevail. During melting or conveying in molten state, use an organic vapor respirator.

**SKIN PROTECTION:** Chemical-resistant gloves for prolonged or repeated exposure ; insulated gloves with long sleeves, when handling molten

**EYE/FACE PROTECTION:** Safety eyewear complying with an approved standard must be used when a risk assessment indicates this is necessary to avoid exposure to dust.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Off white powder
<b>ODOR:</b>	Mild waxy odor.
<b>ODOR THRESHOLD:</b>	Not applicable
<b>BOILING POINT:</b>	Not applicable
<b>FLASH POINT:</b>	>180 °C (356 °F)
<b>FLAMMABILITY:</b>	Melted product is flammable.
<b>DECOMPOSITION TEMPERATURE:</b>	Not available
<b>LOWER/UPPER EXPLOSION LIMITS:</b>	Not available
<b>VAPOR PRESSURE:</b>	Not available
<b>LIQUID DENSITY:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	Approximately 0.94
<b>MELTING POINT:</b>	90 °C (194 °F)
<b>pH:</b>	Not available
<b>SOLUBILITY:</b>	Insoluble
<b>% VOLATILE:</b>	Not available
<b>VISCOSITY:</b>	Not available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal temperatures and pressures.
<b>Reactivity:</b>	Stable at normal temperatures and pressures.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition.
<b>Incompatible materials/conditions:</b>	Consult the Charlotte Pipe and Foundry chemical resistance guide.
<b>Hazardous decomposition products:</b>	Carbon dioxide, Carbon monoxide.
<b>Hazardous polymerization:</b>	Will not occurred.

### 11. TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b> Not determined.
<b>SENSITIZATION:</b> No data available.
<b>MUTAGENICITY:</b> No data available.
<b>DEVELEPMENTAL:</b> No data available.
<b>Fertility:</b> No data available.
<b>CARCINOGENICITY:</b> Not listed on the National Toxicology Program Report on Carcinogens or OSHA Subpart Z.

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**REPRODUCTIVE TOXICITY:** Not available

**TERATOGENICITY:** Not available

**SPECIFIC TARGET ORGANS – SINGLE EXPOSURE:** Not available

**SPECIFIC TARGET ORGANS – REPEATED EXPOSURE:** Not available

**ASPIRATION HAZARD:** Not available

**INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:**

**Potential acute health effects**

Eye contact	No known significant effects or critical hazards. Dust can cause eye irritation.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Skin irritant.
Ingestion	No known significant effects or critical hazards.

**Symptoms related to the physical, chemical, and toxicological characteristics**

Eye contact	No data available.
Inhalation	No data available
Skin contact	Adverse symptoms may include irritation.
Ingestion	No data available

**Immediate, delayed and chronic effects from short term exposure**

Short term exposure

Potential immediate effects	No data available.
Potential delayed effects	No data available

Long term exposure

Potential immediate effects	No data available.
Potential delayed effects	No data available

Potential chronic effects

General	No data available.
Carcinogenicity	No data available.

## 12. ECOLOGICAL INFORMATION

Numerical measures of toxicity

No data available

Persistence and degradability

Does not biodegrade over time.

Bioaccumulative potential

No data available

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### Mobility in soil

No data available.

Other adverse effects: No known significant or critical hazards.

### 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste should not be disposed of to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material must be disposed of in a safe way.

### 14. TRANSPORT INFORMATION

<b>PROPER SHIPPING NAME:</b>	Not Regulated
<b>HAZARD CLASS:</b>	Not Regulated
<b>IDENTIFICATION NUMBER:</b>	Not Regulated
<b>SHIPPING LABEL:</b>	Not Regulated
<b>PACKING GROUP:</b>	Not Regulated

### 15. REGULATORY INFORMATION

United States

TSCA 8(b):

All ingredients are listed on the U.S. Toxic Substances Control Act inventory.

Airborne unbound particles of carbon black of respirable size are listed as being carcinogenic per California Proposition 65.

### 16. OTHER INFORMATION

Date of Preparation: December 9, 2015

Key To Acronyms:

CAS:	Chemical Abstracts Service
CFR:	Code of Federal Regulations
HEPA	High-Efficiency Particulate Air (filter)
IARC:	International Agency for Research on Cancer
LD50	Lethal dose to 50% of exposed laboratory animals
LC50	Lethal concentration to 50% of exposed laboratory animals
LEL:	Lower Explosive Limit
mg/l	Milligrams per liter

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NIOSH:	National Institute for Occupational Safety and Health (US)
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration (US)
PEL:	Permissible Exposure Limit
TSCA:	Toxic Substances Control Act
TLV:	Threshold Limit Value – American Conference of Governmental Industrial Hygienists (ACGIH)
TWA:	Time Weighted Average
UEL:	Upper Explosive Limit
ug/ m <sup>3</sup>	Micrograms per cubic meter

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