

Material Safety Data Sheet

SECTION 1 - IDENTIFICATION

Trade Name: JM Eagle, HDPE Pressure Pipe

Classification:

ASTM D3350 PE345464C, D or E (PE3408)
 ASTM F714 Type III, Class C, Category 5,
 ASTM D1248 Grade 34 (PE3408)

SECTION 2 – PHYSICAL DATA

2a Appearance:	½” – 63” diameter black or colored pipe either coiled or cut to length Pipes are in Blue, Green, Gray, Purple, and are Odorless
2b Odor:	Odorless
2c Boiling Point:	N/A
2d Solubility:	Insoluble in water
2e Evaporation:	N/A
2f Density:	0.947 - 0.955 g/cm ³ @ 23 ⁰ C
2g Vapor Pressure:	N/A
2h Melting Point:	230 – 275 ⁰ F
2i Vapor Density:	N/A
2j Percent Volatile:	<0.03%
2k Evaporation Rate:	N/A

SECTION 3 – HEALTH HAZARD INFORMATION

3a Hazardous Components:	Carbon Black
3b Exposure Limits:	<p>OSHA Permissible Exposure Limit:</p> <p>PEL (OSHA): 3.3 mg/m³ respirable dust as 8 Hr. TWA</p> <p>TLV (ACGIH limits): exposure to 10mg/m³ total dust, 8 Hr. TWA.</p>
3c Overexposure:	Effects of overexposure may cause eye, skin, nose and throat irritation. Prolonged exposure may cause adverse effects on lungs. See Section 4 for Emergency First Aid Procedures.

SECTION 4 – EMERGENCY AND FIRST AID PROCEDURES

4a Emergency and First Aid Procedures:

No emergency situation is likely to arise from the routine handling of PE pipes. If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician if symptoms develop.

4b Eyes:

Immediately flush eyes with plenty of clean water for at least 15 minutes. Call a physician.

4c Skin:

Flush skin with water after contact. Water contaminated clothing before reuse. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

4d Ingestion:

Dilute swallowed material by drinking water and obtain medical attention. Consult a physician if symptoms develop.

SECTION 5 – FIRE AND EXPLOSION DATA

5a Flash Point:

>650 °F (Method Used)

5b Upper Explosive Limit:

Not Determined

5c Lower Explosive Limit:

Not Determined

5d Auto Ignition Temperature:

>650 °F (Estimated)

5e Extinguishing Media

Dry chemical, water fog, foam and carbon dioxide

5f Special Fire Fighting Procedure

Wear NIOSH approved, positive pressured, self-contained breathing apparatus, and full protective clothing.

5g Hazardous Combustion Products

Hydrogen chloride, carbon monoxide, organic acids, aldehydes and alcohols.

SECTION 6 – SPILL OR LEAK PROCEDURE

6a Step To Be Taken In Case Material Is Release Or Spilled:

Remove sources of ignition, use adequate ventilation, and wear a dust respirator. Sweep, vacuum or shovel up the spill.

6b Waste Disposal Method:

Handle in accordance with Federal, State and local environmental control regulations.

SECTION 7 – STORAGE AND HANDLING

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| 7a | Do not store pipes near heat, flame or strong oxidants, such as chlorates, nitrates, peroxides, etc. May react with halogens. |
| 7b | See 9d below for incompatibility with other materials. |

SECTION 8 – SPECIAL PROTECTION INFORMATION

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| 8a Respiratory Protection: | Use NIOSH/MSHA approved dust respirator as needed. |
| 8b Ventilation: | Local exhaust ventilation is recommended for control of airborne dust, fumes and vapors. |
| 8c Eye Protection: | Wear safety glasses with side shields, goggles or face shields for protection against dust. |
| 8d Skin Protection: | Minimize contact with product. Wear gloves and/or suitable long sleeved clothing. |
| 8e Other Protective Equipment: | Not required for ordinary handling. |

SECTION 9 – REACTIVITY DATA

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| 9a Stability: | Stable |
| 9b Hazardous Polymerization: | Hazardous polymerization will not occur. |
| 9c Conditions to Avoid: | Avoid open flames and high temperatures. Do not heat without proper ventilation. |
| 9d Incompatibility with Other Materials: | None reasonably foreseeable. |
| 9e Decomposition: | Hazardous gases or vapors can be released, including carbon monoxide, hydrogen chloride (HCl), hydrocarbon oxidation products including organic acids, aldehydes and alcohols. |

SECTION 10 – SPECIAL PRECAUTION

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| 10a Precautions to be taken in Handling | Use with adequate ventilation. Avoid contact with eyes and skin. Electrical charge may build up during handling. Ground equipment is recommended. |
| 10b Other Precautions: | All tools shall be provided with local exhaust ventilation. |

NOTE: Hazards data contained here was obtained from raw material suppliers.

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