

MATERIAL SAFETY DATA SHEET

POLYETHYLENE (LINEAR LOW OR HIGH DENSITY)

NORTHTOWN COMPANY

PRODUCT IDENTIFICATION

Chemical Names and Synonyms: POLYETHYLENE (LINEAR LOW OR HIGH DENSITY)

Use or Description:

COMPONENTS AND EXPOSURE LIMITS

| Component | Percent by Weight | Exposure Limit |
|--|-------------------|---|
| Ethylene butene copolymer (CAS #25087-34-7) or Ethylene hexene copolymer (CAS #25213-02-9) | Approximately 100 | 15.0 mg/m ³ OSHA Nuisance Dust |

Additives such as antioxidants, stabilizers, processing aids, antiblock and slip agents may be used in the following concentrations: 0 - 1% by weight.

TYPICAL PROPERTIES

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| Appearance: TRANSLUCENT | Boiling Point: N/A | Solubility in Water: NEGLIGIBLE |
| pH: N/A | Odor: MILD | Vapor Pressure: N/A |
| % Volatility by Weight: 0.1 MAX | Specific Gravity: 0.91 - 1.05 | Vapor Density: N/A |
| Evaporation Rate: N/A | Melting Point: F(C) 230 - 275 (110 - 135) | |

FIRE AND EXPLOSION HAZARDS

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| Auto Ignition Temperature: NA | Flash Point: NONE | Flammable Limits in Air: NA |
| NFPA Hazard: 0-1-0-NA | HMIS Rating: 0-1-0-A | |

Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL, AND WATER FOG

Special Fire Fighting Procedures: DO NOT ENTER ENCLOSED SPACE WITHOUT USING SELF-CONTAINED BREATHING APPARATUS

Unusual Fire and Explosion Hazards: Bulk storage of polyethylene pellets may result in the accumulation of ethylene gas with possible explosive potential; concentration of ethylene gas must be kept below the lower limit (LEL) OF 2.7% .

HEALTH HAZARDS

Acute Health Effects:
EYES: DUST MAY CAUSE IRRITATION OR REDNESS; FUMES FROM MOLTEN PRODUCT MAY CAUSE IRRITATION OR REDNESS
SKIN: REDNESS
INHALATION: PRODUCT AS IS SHOULD NOT CAUSE IRRITATION OR DERMATITIS; MOLTEN PRODUCT MAY CAUSE THERMAL BURNS
INGESTION: INHALATION OF FINES OR FUMES FROM MOLTEN PRODUCT MAY CAUSE IRRITATION TO THE NOSE OR THROAT NOT EXPECTED TO CAUSE ADVERSE REACTION IF INGESTED

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| Chronic Health Effects: NONE ARE KNOWN | Medical Conditions Aggravated by Exposure: NONE ARE KNOWN | Primary Routes of Entry: INHALATION, INGESTION |
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Carcinogenicity Status: Occupational Safety and Health Administration: NOT LISTED
 National Toxicity Program: NOT LISTED
 International Agency for Research on Cancer: NOT LISTED

Toxicological Data: NON-TOXIC BASED ON STUDIES OF SIMILAR PRODUCTS AND THEIR COMPONENTS

FIRST AID PROCEDURES

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| Eyes: | FLUSH WITH PLENTY OF WATER; IF IRRITATION CONTINUES, GET MEDICAL ATTENTION |
| Skin: | WASH SKIN WITH SOAP AND WATER, FOR THERMAL BURNS, COOL MOLTEN MATERIALS WITH WATER AND GET MEDICAL ATTENTION |
| Inhalation: | IF OVERCOME BY DUST OR FUMES, REMOVE TO FRESH AIR; IF BREATHING IS DIFFICULT, GIVE OXYGEN AND GET MEDICAL ATTENTION; IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION |
| Ingestion: | NO FIRST AID MEASURES SHOULD BE NECESSARY |

PERSONAL PROTECTION

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| Respirator: | WEAR DUST MASK IF DUST LEVELS EXCEED 15.0 mg/m ³ |
| Skin: | PROTECTIVE GLOVES AND LONG SLEEVES WHEN HANDLING MOLTEN MATERIAL |
| Eyes: | SAFETY GLASSES SHOULD BE WORN AT ALL TIMES; SAFETY GOGGLES SHOULD BE WORN WHEN HANDLING MOLTEN MATERIAL |
| Ventilation: | LOCAL VENTILATION IS RECOMMENDED TO REDUCE DUST AND FUMES WHEN HANDLING MOLTEN MATERIAL |

REACTIVITY DATA

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| Hazardous Thermal Decomposition Products: | INCOMPLETE COMBUSTION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE, ALDEYDES, HYDROCARBONS, FORMALDEHYDE. |
| Stability: | MATERIAL IS STABLE |
| Incompatible Materials: | THIS MATERIAL IS INCOMPATIBLE WITH STRONG OXIDIZERS |
| Hazardous Materials: | NONE ARE KNOWN |
| Hazardous Polymerization: | WILL NOT OCCUR |

SPILL LEAK AND DISPOSAL PROCEDURES

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| Spill and Leak Procedures: | SWEEP OR SHOVEL UP AND HOLD FOR DISPOSAL |
| Waste Management Procedures: | PRODUCT IS NON-HAZAROUS IN ITS NEAT FORM |
| Environmental Impact: | THIS MATERIAL IS NOT EXPECTED TO PRESENT ANY ENVIRONMENTAL PROBLEMS |

ADDITIONAL PRECAUTIONS

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| Storage: | STORE IN A VENTILATED AREA AWAY FROM SOURCES OF IGNITION; DO NOT STORE WITH INCOMPATIBLE MATERIALS |
| Transfer: | STATIC GROUNDING RECOMMENDED PRIOR TO TRANSFER OF PRODUCT |

REGULATORY DATA

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| Occupational Safety and Health Administration: | NUISANCE DUST | CONEG: | NOT REGULATED |
| Resource Conservation Recovery Act: | NOT REGULATED | Clean Air Act: | NOT REGULATED |
| Superfund Amendments Reauthorization Act: | NOT REGULATED | Proposition 65: | NOT REGULATED |
| Department of Transportation: | NOT REGULATED | | |