

MATERIAL SAFETY DATA SHEET

POLYETHYLENE (LINEAR LOW OR HIGH DENSITY)



Westlake Polymers LP

WESTLAKE CHEMICAL CORPORATION
WESTLAKE CENTER
2801 POST OAK BOULEVARD
HOUSTON, TX 77056
(713) 960-9111

PRODUCT IDENTIFICATION

Suppliers: WESTLAKE POLYMERS LP	Chemical Names POLYETHYLENE (LINEAR LOW OR HIGH DENSITY) and Synonyms:	Emergency Telephone: (337) 882-0273
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Use or Description: FILM EXTRUSION, MOLDING, COATING, LAMINATING	Date Revised: 07/27/04
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This product is not hazardous as defined under the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 29 C.F.R. § 1910.1200.

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, antistatic and slip agents may be used in the following concentrations: 0 - 1% by weight.

TYPICAL PROPERTIES

Appearance: TRANSLUCENT PELLETS	Boiling Point: N/A	Solubility in Water: NEGIGIBLE
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

Auto Ignition Temperature: N/A	Flash Point: NONE	Flammable Limits in Air: N/A
NFPA Hazard: 0-1-0-A	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:	DUST MAY CAUSE MECHANICAL IRRITATION; FUMES FROM MOLTEN PRODUCT MAY CAUSE MINOR IRRITATION OR EYES: REDNESS PRODUCT AS IS SHOULD NOT CAUSE IRRITATION OR DERMATITIS; MOLTEN PRODUCT MAY CAUSE THERMAL BURNS SKIN: INHALATION OF FINES OR FUMES FROM MOLTEN PRODUCT MAY CAUSE MINOR IRRITATION TO THE NOSE OR THROAT NOT EXPECTED TO CAUSE ADVERSE REACTION IF INGESTED INHALATION:
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Chronic Health Effects:	NONE ARE KNOWN	Medical Conditions Aggravated by Exposure:	NONE ARE KNOWN	Primary Routes of Entry:	INHALATION, INGESTION
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
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FIRST AID PROCEDURES

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

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 AS A MATTER OF GOOD PRACTICE; SAFETY GOGGLES SHOULD BE WORN WHEN HANDLING MOLTEN MATERIAL; A HAZARD ASSESSMENT SHOULD BE PERFORMED BEFORE DECIDING ON REQUIRED PERSONAL PROTECTIVE EQUIPMENT.
Ventilation	LOCAL VENTILATION IS RECOMMENDED TO REDUCE DUST AND FUMES WHEN HANDLING MOLTEN MATERIAL

REACTIVITY DATA

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	WILL NOT OCCUR

SPILL LEAK AND DISPOSAL PROCEDURES

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

ADDITIONAL PRECAUTIONS

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

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

USER RESPONSIBILITY

This material safety data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of the user's operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this material safety data sheet should be provided to employees and/or customers. Westlake Polymers Corporation must rely on the user to use this information to develop appropriate work practice guidelines and employee instructional programs specific to the user's operations.

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