

# MATERIAL SAFETY DATA SHEET

## POLYETHYLENE (LINEAR LOW OR HIGH DENSITY)



**Westlake Polymers LP**

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### PRODUCT IDENTIFICATION

<b>Suppliers:</b> WESTLAKE POLYMERS LP	<b>Chemical Names and Synonyms:</b> POLYETHYLENE (LINEAR LOW OR HIGH DENSITY)	<b>Emergency Telephone:</b> (337) 882-0273
<b>Use or Description:</b> FILM EXTRUSION, MOLDING, COATING, LAMINATING		<b>Date Revised:</b> 07/27/04
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 <sup>3</sup> 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

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

### FIRE AND EXPLOSION HAZARDS

<b>Auto Ignition Temperature:</b> N/A	<b>Flash Point:</b> NONE	<b>Flammable Limits in Air:</b> N/A
<b>NFPA Hazard:</b> 0-1-0-A	<b>HMIS Rating:</b> 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

<b>Acute Health Effects:</b> DUST MAY CAUSE MECHANICAL IRRITATION; FUMES FROM MOLTEN PRODUCT MAY CAUSE MINOR IRRITATION OR <b>EYES:</b> REDNESS <b>SKIN:</b> PRODUCT AS IS SHOULD NOT CAUSE IRRITATION OR DERMATITIS; MOLTEN PRODUCT MAY CAUSE THERMAL BURNS <b>INHALATION:</b> 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			
<b>Chronic Health Effects:</b>	NONE ARE KNOWN	<b>Medical Conditions Aggravated by Exposure:</b>	NONE ARE KNOWN
<b>Carcinogenicity Status:</b>	Occupational Safety and Health Administration: NOT LISTED National Toxicity Program: NOT LISTED International Agency for Research on Cancer: NOT LISTED	<b>Primary Routes of Entry:</b>	INHALATION, INGESTION
<b>Toxicological Data:</b> NON-TOXIC BASED ON STUDIES OF SIMILAR PRODUCTS AND THEIR COMPONENTS			

## FIRST AID PROCEDURES

<b>Eyes:</b>	FLUSH WITH PLENTY OF WATER; IF IRRITATION CONTINUES, GET MEDICAL ATTENTION
<b>Skin:</b>	WASH SKIN WITH SOAP AND WATER, FOR THERMAL BURNS, COOL MOLTEN MATERIALS WITH WATER AND GET MEDICAL ATTENTION
<b>Inhalation:</b>	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
<b>Ingestion:</b>	NO FIRST AID MEASURES SHOULD BE NECESSARY

## PERSONAL PROTECTION

<b>Respirator</b>	WEAR DUST MASK IF DUST LEVELS EXCEED 15.0 mg/m <sup>3</sup>
<b>Skin:</b>	PROTECTIVE GLOVES AND LONG SLEEVES WHEN HANDLING MOLTEN MATERIAL
<b>Eyes:</b>	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.
<b>Ventilation</b>	LOCAL VENTILATION IS RECOMMENDED TO REDUCE DUST AND FUMES WHEN HANDLING MOLTEN MATERIAL

## REACTIVITY DATA

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

## SPILL LEAK AND DISPOSAL PROCEDURES

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

## ADDITIONAL PRECAUTIONS

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

## REGULATORY DATA

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