

MATERIAL SAFETY DATA SHEET

POLY-AMERICA LP
2000 WEST MARSHALL DRIVE
GRAND PRAIRIE, TEXAS 75051

PRODUCT	GEOMEMBRANE HD
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IMPORTANT:

Poly-America LP urges each customer or recipient of this Material Safety Data Sheet to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

NOTICE:

This product is not FDA, CPSC or NSF compliant. It is unsuitable for use in applications such as direct or indirect food contact, toys, medical device or pharmaceutical applications or for potable water application.

SECTION I	IDENTIFICATION
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Chemical Name:	CAS Number:
Polyethylene	9002-88-4
Ethylene-Butene Copolymer	25087-34-7

SECTION II	COMPOSITION
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Polymer resins may be described by one of the following:

	CAS No.	AGGIH TLV	AGGIH STEL	OSHA PEL	OSHA STEL	WL%	Carcinogenic Listing *
Polyethylene	9002-88-4	N/L	N/L	N/L	N/L	97-99	N/L
Ethylene-Butene Copolymer	25213-02-09	N/L	N/L	N/L	N/L	97-99	N/L
Carbon Black	1333-86-4	N/L	N/L	N/L	N/L	1.5-3.0	N/L
Additive	Various	N/L	N/L	N/L	N/L	<1	N/L

* 1= OSHA 2= IARC 3= NTP 4= Others N/L= Not listed

SECTION III	PHYSICAL PROPERTIES
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Emergency Overview This material is NOT HAZARDOUS by OSHA Hazard Communication

Boiling Point:	Not applicable	Form:	Woven and Non-Woven Fabric
Vapor Pressure:	Not applicable	Odor:	None
Solubility in Water:	Nil	Density:	.930 - .960 gm/cc

SECTION IV	FIRE AND EXPLOSION HAZARD DATA
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Flash Point:	600 - 650°F
Flammable Limits:	Not applicable
Fire Fighting:	Use water to extinguish the fire and cool surfaces. Other types of extinguishers may also be used. Use NIOSH approved self-contained breathing apparatus when fighting fires in enclosed areas. Use flooding quantities of water until well after the fire is out.

Decomposition Products: CO₂; H₂, and under lean oxygen conditions, CO

SECTION V	REACTIVITY
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Stability:	Stable
Conditions to Avoid:	Temperatures over 300°C can cause degradation.
Reactive Polymerization:	Does not occur
Incompatibility:	None

SECTION VI	HEALTH
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Eye:	Solid of dust may cause irritation or corneal injury due to mechanical action
Inhalation:	Negligible hazard at ambient temperature.
Skin Contact:	Negligible hazard
Exposure Limits:	No limit established for polyethylene
Ingestion:	Minimal toxicity
First Aid:	If ingested, no known health effect. Skin contact with molten plastic should be treated with cold water before plastic is removed, then wrap in clean gauze and seek medical attention

SECTION VII	EMPLOYEE PROTECTION
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This product as it is shipped to customers is non-hazardous. The user needs should determine PPE.

SECTION VIII	HANDLING AND STORAGE
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This product is normally shipped in rolls for field application. Store and stack as recommended by the manufacturer. The plastic will burn in the presence of open flame. Do not weld or use open flame where product is stored without proper fire fighting prevention procedures.

SECTION IX	ENVIRONMENTAL PROTECTION
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Geocomposite materials are considered non-hazardous. Recycle old or unused plastic when possible. Otherwise, dispose in landfills or incinerators in accordance with local, state, and federal regulations.

SECTION X	TRANSPORT INFORMATION
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Non-regulated

SECTION XI	ADDITIONAL INFORMATION
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Regulatory Requirements:

DOT: Not Applicable

HMIS: Health: 0
 Reactivity: 0
 Flammability: 1

PREPARED BY: Safety / Environmental Coordinator
PREPARATION DATE: September 1, 1997

UPDATE: January 14, 2003

EMERGENCY PHONE NUMBER:
 Monday - Friday 1-800-527-3322 extension 7215
 Weekends & Nights 1-800-527-3322 extension 7241

The opinions expressed are those of qualified experts within Poly-America LP. We believe that the information contained is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Poly-America LP, it is the user's obligation to determine the conditions of safe use of this product.