

MATERIAL SAFETY DATA SHEET

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SECTION I Identification

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.

Product Description: POLYETHYLENE SHEETING-NATURAL

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 II Hazards Identification

Hazard Overview

This product is an inert, non-hazardous solid article, and is not respirable as marketed. Primary routes of entry are skin contact and inhalation of dust if product is in a regrind area. Inhalation is a low health risk because any potentially hazardous components are encapsulated. If adequate ventilation is not available in grinding areas respiratory protection is recommended for hazardous and/or nuisance dust.

Potential Health Effects

Eye Contact: Dust concentrations from grinding material may cause mechanical irritation to eyes

Skin Contact: Dust concentrations from grinding material may cause skin irritation and dryness

Inhalation: Exposure to vapors and fumes from heating the polymer to decomposition may cause eye, mucous membrane and respiratory irritation. Dust concentrations from grinding material may cause respiratory irritation

Ingestion: This material is not toxic by ingestion, but can create a suffocation hazard if placed over the nose and mouth

Chronic Effects: None are known.

SECTION III Composition/Information on Ingredients

	CAS No.	% by wt.
Polyethylene Copolymer	26221-73-8	95-100
Polyethylene	9002-88-4	95-100
Calcium Carbonate	1317-65-3	0-5

SECTION IV**First Aid Measures**

- Eye Contact:** No first aid is normally needed. If irritation occurs flush with water.
- Skin Contact:** If heated molten material comes in contact with skin, quickly flush the area with large amounts of cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.
- Inhalation:** No harmful effects expected from normal use. If exposure to decomposition products and irritation occurs, remove to fresh air. If irritation persists, seek medical attention. If excess dust is present in a regrind area, use proper respiratory protection.
- Ingestion:** This material is not toxic by ingestion. Seek medical attention for ingestion of large quantities of material.

SECTION V**Fire Fighting Measures**

NFPA: Health 0; Fire 1; Reactivity 0; Others:

The flash point of this material is over 600° F. If a fire should occur, Carbon Monoxide (CO) and irritating smoke may be produced. Wear NIOSH approved self-contained breathing apparatus when fighting fires in enclosed areas. Fight fire with water, COs, or dry chemicals. Use flooding quantities of water until well after the fire is out.

SECTION VI**Accidental Release Measures**

Clean up material promptly to avoid a slipping hazard. As a matter of good practice; prevent material from entering storm drains, surface waters. Collect for use or disposal.

SECTION VII**Handling and Storage**

This product is normally shipped on pallets in boxes. These pallets should not be stacked more than (3) high. The boxes and plastic film 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 VIII**Exposure Controls and Personal Protection**

- Ventilation:** General ventilation should be adequate for normal use.
- Hand Protection:** None needed under normal use conditions.
- Eye Protection:** None needed under normal use conditions.
- Respiratory Protection:** None needed under normal use conditions. If regrinding material, dust may be present, wear appropriate respiratory protection when exposure limits may be exceeded. The PEL for nuisance dust is 15 mg/m³.

SECTION IX**Physical and Chemical Properties**

This products is film sheeting with A VOC content of less than 5 parts per million. Density will vary depending on color and components from 0.85 to 1.5. Therefore, the product can sink or float in water depending on the properties. The product is not soluble in water and is odorless at ambient temperature. During heating a characteristic plastic odor will be present.

SECTION X**Stability and Reactivity**

This product is stable and non-reactive. Hazardous decomposition of products can occur if overheated or ignited.

SECTION XI**Toxicological Information**

The following chemicals are listed as known or suspected carcinogens per the National Toxicology Program (NTP), International Agency for Cancer Research (IARC), or California Proposition 65;

Antimony Trioxide
Chromium Compounds
Nickel Compounds

Arsenic (Inorganic)
Di (ethylhexyl) Phthalate
Crystalline silica

Cadmium Compounds
Lead Compounds

If any of these chemicals are present in reportable weights within this product, they will be listed on Page 1 Section III.

SECTION XII	Ecological Information
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No data is available at this time. This material is an inert plastic product. No adverse environmental effects are expected from normal use or disposal.

SECTION XIII	Disposal Measures
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This product is non-hazardous as shipped. If grinding occurs in recycling some of the encapsulated components may present an environmental disposal problem. Refer to applicable federal, state and local regulations.

SECTION XIV	Transportation
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This product is not a regulated substance under the Department of Transportation (DOT) regulations. All hazardous components, if any, are encapsulated.

SECTION XV	Regulatory Information
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Notice: The information herein is presented in good faith and believed to be accurate as of the effective date shown. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyers' responsibility to ensure that its activities comply with federal, state, and local laws. The following specific information is made for purpose of complying with numerous federal, state and local law regulations. See other sections for health and safety information.

Sara 313 Information: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" (SARA Title III) and is considered, under applicable conditions to meet the following categories: Not to have met any hazard category.

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

State Right-to-Know: This product is not known to contain any substances subject to disclosure requirements of New Jersey, Pennsylvania and California.

OSHA Hazard Communication Standard: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION XVI	Other Information
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National Fire Protection Association (NFPA) ratings:

Health: 0 Flammability: 1 Reactivity: 0

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 Materials 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.

Prepared by: Safety/Environmental Coordinator
Revised Date: November 10, 2011

CONSTRUCTION SHEETING

Poly-America's construction sheeting is made from polyethylene which provides for optimum in economy and performance. Because of its good weatherability, chemical inertness and toughness, Poly-America's polyethylene sheeting has successfully been used for over 20 years in a wide variety of applications. Thickness ranges from as little as .3 mil for paint drop cloths to 100 mil for use as landfill liners. Widths range up to 40 ft. If you have a special application or need more information on our products, contact your area sales representative.

Poly-America's standard sheeting will meet or exceed the following standard technical specifications:

Construction Sheeting

ASTM D4397 (see Tables 1 for Impact Resistance and WVTR requirements)

ASTM C171 Standard Specification for Sheet Materials Used for Curing Concrete

ASTM D4635	Type 1 Class 2 Surface 2 Finish 1
Federal Specification LP-378	Type 1 Class 1 Grade A or B Finish 1
Federal Specification LP-390	Type I Class L Grade 1 or 2 Category 3
Federal Specification LP-512	Type I Class L

Grade 1 or 2

Construction Sheeting Cont.

ASTM D1248

Type 1 (density .910 to .925)
Category 3 (melt index 1 to 10)
Class A or C (A- natural or clear)
(C- black)

ASTM D2103 Standard Classification	12230 (clear)
	12231 (black)

Note: If requested custom sheeting can be made to meet the following classifications:

12130 13130 13230 12330 13330

Flexible Packaging Association B11

TABLE 1

Thickness	Dart Impact	WVTR	WVTR	WVTR
ASTM D374	ASTM D1709	ASTM E96	ASTM E96	ASTM E96
mils	gm	gm/100 sq in-day	perms	metric perms
1	40	1.40	.76	.50
2	85	.70	.38	.25
3	125	.47	.25	.17
4	165	.35	.19	.12
5	205	.28	.15	.10
6	260	.23	.13	.084
7	315	.20	.11	.070
8	370	.18	.096	.063
9	420	.16	.082	.054
10	475	.14	.076	.050

NOTE: The above is for our standard sheeting products. Poly-America will produce custom sheeting products to meet other classifications or specifications. Contact Poly-America to see how they can help you with your needs.