



## 1. IDENTIFICATION

Company

The Greenstreak Group, Inc.  
3400 Treecourt Industrial Blvd.  
St. Louis, MO 63122

24 Hour Emergency Response Information

CHEMTREC: (800) 424-9300

Identity: Equistar Polyolefin, unspecified  
Description: Polyolefin, unspecified

Greenstreak Product : ¾" HDPE Expansion Board

## 2. COMPOSITION

Component Name	CAS No	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL	Carcinogenic Listing	Concentration/ wt		
							Avg	Min	Max
Polyolefin, unspecified		N/L	N/L	N/L	N/L	N/L	98	100	
Proprietary Additives		N/L	N/L	N/L	N/L	N/L	0	2	

N/L = Not Listed

## 3. HAZARD IDENTIFICATION

*Emergency Overview: This material is NOT HAZARDOUS by OSHA Hazard Communication definition.*

**Signal Word:** CAUTION!

**Physical and Health Hazards:**

Dust may form explosive mixtures with air. Molten polymer may cause thermal burns. Irritating fumes may be produced at process temperatures. Contains small amounts of a compound which is considered to be a possible cancer-causing agent.

**Physical State:** Solid

**Color:** Translucent to white solid pellets or granules

**Odor:** Faint, mild hydrocarbon odor

**Odor Threshold:** No data available



*Potential Health Effects*

**Routes of Exposure:** Eye contact, Ingestions, Inhalation, Skin Contact

**Signs and Symptoms  
Of Acute Exposure:**

Hot material may cause thermal burns. At process temperatures, irritating fumes may cause soreness in the nose and throat. Coughing may result. Mechanical irritation is possible.

**Skin Contact:** Molten Polymer may cause thermal burns.

**Inhalation:** At process temperatures irritation fumes may be produced. Inhalation of process fumes and vapors may cause soreness in the nose and throat and coughing. Nuisance dust such as polymer dust typically exhibits no significant health effect when they are reasonably controlled. Exposure to high concentrations of dust may cause slight irritation by mechanical action. Inhaling polyethylene dust is considered a nuisance.

**Eye Contact:** Mechanical irritation is possible

**Ingestion:** Ingestion is unlikely in normal industrial use.

**Chronic Health  
Effects Summary:** No Known Chronic health effects.

**Conditions Aggravated  
by exposures:** No Known conditions are aggravated by this material.

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#### 4. FIRST AID MEASURES

*Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. For specific information refer to the Emergency Overview in Section 3 of this MSDS.*

**Inhalation:** If symptoms are experienced, move victim to fresh air. Obtain medical attention if symptoms persist.

**Eye Contact:** Wash eyes with clean low-pressure water. If irritation persists seek medical advice.

**Skin Contact:** If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin. Get medical attention immediately.

**Ingestion:** Adverse health effects due to ingestion are not anticipated. If gastric irritation or discomfort persists, seek medical advice.

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#### 5. FIRE FIGHTING MEASURES

**NFPA: HEALTH 0 , FIRE 1, REACTIVITY 0, OTHER**

**Flammability**



**Classification:** Not Classified. Polymer will burn but does not ignite readily.

**Flash Point:** N/A

**Auto Ignition**

**Temperature:** 343C, 349C (650F 660F)

**Flammable  
Limits:**

**Hazardous  
Combustion**

**Products:** Carbon Monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed

**Special  
Conditions  
to avoid:**

Dust may form explosive mixtures with air.

**Extinguishing  
Media:**

LARGE FIRES: Use DRY chemicals, with CO2 or waterstop spray.

**Fire Fighting  
Instructions:**

**Protective Equipment/Clothing:** Wear a NIOSH approved positive pressure self-contained breathing apparatus and firefighter turnout gear.

**Instructions:** Use flooding quantities of water until well after fire is out.

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## 6. ACCIDENTAL RELEASE MEASURES

**Release Response:** Pick up and retain for recycle or disposal. Do not flush spilled material to the sewer or the environment.

**Reportable  
Quantities:**

See Section 15 - Regulatory Information

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## 7. HANDLING AND STORAGE

**Handling:** Keep material off walking surfaces, it may create a slipping hazard. Polymer dust may form explosive mixtures with air. Avoid accumulation of dust in enclosed space. Use in well-ventilated area. Ground and bond equipment to prevent electrostatic charge when transferring product. Control spilled material to prevent runoff to the sewers and the environment.

**Storage:** Keep container dry. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** If user operations generate dust or fumes, ventilate area to prevent accumulation.

### Personal Protection

#### Inhalation:

Use appropriate respiratory protection where atmosphere exceed recommended limits. Total Dust (PNOC) ACHIH 10mg/m<sup>3</sup>. Respirable Dust (PNOC) ACGIH 3mg/m<sup>3</sup> OSHA 5mg/m<sup>3</sup>

#### Skin:

Protective clothing such as long sleeves or a lab coat should be worn. When handling heated materials, also be sure to use heat-resistant gloves, boots and face protection

#### Eye:

Use Safety Glasses.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	pH:	N/A
Vapor Pressure:	0mm Hg	Viscosity:	N/A
Specific Gravity:	0.92-0.98	Water Solubility:	Insoluble
Octanol/Water Partition Coefficient:	Not Available	Melting Point:	136C (266F)

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## 10. PHYSICAL AND CHEMICAL PROPERTIES

<b>Chemical Stability:</b>	The product is stable
<b>Conditions to Avoid:</b>	Avoid contact with strong oxidizers and all sources of ignition.
<b>Incompatibility with:</b>	Solid material is softened by some hydrocarbons, reacts with fluorine gas.
<b>Hazardous Products of Decomposition:</b>	Not expected to decompose under normal conditions.
<b>Hazardous Polymerization:</b>	Not likely
<b>Reaction with Air and Water:</b>	Does not react with air, water or other common materials.

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## 11. TOXICOLOGICAL INFORMATION



Summary: Not considered to be toxic to humans or animals.

Component

\* Polyolefin – Unspecified                      LC50 (INHL): Mouse, 12gm/m3/30M

**SKIN EFFECTS:** No skin effects are expected from polymer contact.

**ACUTE ORAL EFFECTS:** Animal studies showed no adverse health effects on the digestive system when fed up to 20% polyethylene.

**ACUTE INHALATION EFFECTS:** Rats inhaling polyethylene dust developed mild inflammatory changes in the lungs. Prolonged inhalation of thermal degradation products from polyethylene caused neurological effects in rats.

**SUB-CHRONIC EFFECTS:** Sub-chronic, 50 to 90day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels from 1% to 20% powdered and shredded polyethylene. IARC has listed polyethylene as a Group 3 substance (not classifiable as to carcinogenicity to humans).

**REPRODUCTIVE / DEVELOPMENTAL EFFECTS:** No reproductive or developmental effects are expected.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecotoxicity is expected to be low based on the low water solubility of polymers. Pellets can be harmful to birds and fish if ingested.

**Environmental Fate:** No information found in our selected references.

**Bioaccumulation:** Not expected to occur.

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## 13. DISPOSAL CONSIDERATIONS

This material is NOT classified as a Hazardous Material by RCRA. Recycle if possible. Use only licensed transporters and permitted disposal facilities and conform to all laws. Recycle to process, if possible.

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## 14. TRANSPORT INFORMATION

**Proper Shipping**

**Name:** Polyolefin, not Liquid

**DOT Hazard Class:** Non-regulated

**UN/NA ID:** Not Regulated

**Marine Pollutant:** No

**NAER Guidebook:** Not Regulated

**DOT Status:** Non-regulated

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## 15. REGULATORY INFORMATION



**TSCA:** All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

**TSCA 12(b) Component** **Listed under TSCA Section**

**SARA –Section 313**

**Emission Reporting:** This product contains no SARA 313 “toxic chemicals” above threshold levels.

**SARA Section 311/312:** No components present in this product are subject to the reporting requirements of this statute.

**CERCLA Hazardous Substances and their**

**Reportable Quantities:** **Component** **Reportable Quantities**

**California Prop. 65:**

Proposition 65 requires manufacturers or distributors of consumer products in the state of California to provide warning statement if the product contains ingredients from which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by that State of California to cause cancer or reproductive toxicity it will be listed below.

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**16. OTHER INFORMATION**

The information on this MSDS was obtained from sources that we believe are reliable. However the information was provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling storage use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling storage, use, or disposal of this product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.