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# MATERIAL SAFETY DATA SHEET

Acute Health = 0

Fire = 1

Reactivity = 0

Hazard Rating Least = 0, Slight = 1, Moderate = 2, High = 3

SECTION 1 Product	
<b>Identity</b>	
PRODUCT NAME: <b>PolyGuard®</b>	PRODUCT NUMBER: PolyGuard
MANUFACTURER: Guardian Environmental Technologies, Inc.	TELEPHONE NUMBER: 860 350 2200
ADDRESS: PO Box 2344, New Preston, CT 06777	DATE PREPARED: 11/5/2008
SECTION 2 Product Components	
COMPOSITION: Hydrocarbon polymer blend	
INGREDIENTS: 1. Hydrocarbon polymers 2. Inert materials 3. Antioxidant/Stabilizers	PERCENT: > 96% < 2% < 2%
SECTION 2A Hazardous Ingredients	
The components of this product are not hazardous under OSHA hazard communication (29CFR 1910 1200).	
SECTION 2B Summary of Hazards	
No acute oral LD50, dermal LD50 inhalation LC50  Based on information available to GET, components of 1., 2., and 3. in this product are not hazardous under OSHA hazard communication (29 CFR 1910.1200)	
SECTION 3 Health Information	
The health effects noted are consistent with the OSHA hazard communication (29CFR 1910.1200).	
EYE CONTACT: The product's dust may cause irritation to the eyes.	SKIN CONTACT: This product is non irritating to the skin.
INHALATION: The product's dust may cause mechanical irritation to the nose, throat and lungs.	INGESTION: The product is considered to have a low order of acute oral toxicity.
SIGNS AND SYMPTOMS: Irritation as noted above	AGGRAVATED MEDICAL SYSTEMS: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
SECTION 4 Occupational Exposure Limits	
None established other than those for total dust (15 milligram per cubic meter), and reportable dust (5 milligram per cubic meter) by OSHA standards.	

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<b>SECTION 5 Emergency and First Aid Procedures</b>		
EYE CONTACT: Flush with water. If persistent irritation occurs, get medical attention.		SKIN CONTACT: Wash with soap and water. if product is molten, treat as for ordinary burns.
INHALATION: Abandon dusty environment to fresh air.		INGESTION: No procedures are ordinarily required.
<b>SECTION 6 Physical Data</b>		
BOILING POINT: Not applicable	SPECIFIC GRAVITY: .92 g/cc	VAPOR PRESSURE: Not applicable
MELTING POINT: Not applicable	SOLUBILITY: Negligible (in water)	VAPOR DENSITY: Not applicable
APPEARANCE/ODOR: Solid/particulate, essentially odorless	EVAPORATION RATE: Not applicable	
<b>SECTION 7 Fire and Explosion Hazards</b>		
FLASH POINT & METHOD: Not applicable		FLAMMABLE LIMITS /% VOLUME IN AIR: Upper Not applicable Lower: Not applicable
EXTINGUISHING MEDIA: Water, foam, dry chemical or CO2		UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers may result in fire.
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Product will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet and face shield, bunker coats, gloves, and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.		
<b>SECTION 8 Reactivity</b>		
STABILITY: Stable		HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS AND MATERIALS TO AVOID: Avoid contact with strong oxidizing agents such as ozone, liquid oxygen, chlorine, permanganate, etc.		
HAZARDOUS DECOMPOSITION PRODUCTS: None		
<b>SECTION 9 Employee Protection</b>		
RESPIRATORY PROTECTION: A NIOSH approved particulate filter respirator is recommended if excessive dust is generated		
PROTECTIVE CLOTHING: Safety glasses should be worn when working with this product.		
ADDITIONAL PROTECTIVE MEASURES: Ventilation is required to control dust concentration in air		

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**SECTION 10 Environmental Protection**

**SPILL OR LEAK PROCEDURES:**

Spilled product can be removed by shoveling, sweeping, or an industrial vacuum. Avoid generating dust clouds. Put product into closed container for disposal or reclamation.

**SECTION 11 Special Precautions**

Product can accumulate static charge during transport, handling and/or processing. Equipment should provide a means for dissipating any charges that may develop. Reducing the velocity of transport will reduce charging. Static charge buildup can be a potential fire hazard when charged product is in the presence of volatiles.

Practice good housekeeping. Do not allow product to accumulate in processing area.

This product may cause mechanical irritation to the eyes, skin and respiratory system. In case of contact, flush eyes with water and wash skin with soap and water. If inhaled and breathing becomes difficult, abandon dusty environment to fresh air. If discomfort persists, contact a physician.

Do not allow the temperature to exceed 550°F. Maintain fire watch at that temperature.

Avoid vapors from heated product. Adequate ventilation and/or engineering controls must be employed at high temperatures to prevent exposure to potentially irritating/toxic fumes.

**SECTION 12 Transportation Requirements**

Un-reacted product is not hazardous under D.O.T. regulations.

For spent product, follow federal, state and local regulations.

**SECTION 12 Other Regulatory Controls**

The components of this product are listed on the EPA/ TSCA and FDA inventory of chemical substances.

**The information contained herein is based on the data available to Guardian Environmental Technologies and is believed to be accurate and correct. Guardian Environmental Technologies, however, makes no warranty, expressed or implied, regarding the accuracy of those data or the results to be obtained from the use thereof. Guardian Environmental Technologies assumes no responsibility for injury from the use of the product described herein.**