



Pregis Corporation

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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **AirSpeed™ HC and Renew™ Polyethylene "Air Pillow" Film**

SUPPLIER: **Pregis Innovative Packaging, Inc.
1650 Lake Cook Road, Suite 400
Deerfield, IL 60015**

CONTACTS: Please contact your Pregis products sales associate or customer service associate: (1-800-834-9441).

2. COMPOSITION / HAZARDOUS INGREDIENTS INFORMATION

This product is a clear to cloudy flexible film and is not hazardous as defined in 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION: Not hazardous per OSHA Hazard Communication Standard 29 CFR 1910.1200.
EFFECTS OF OVEREXPOSURE: No known chronic health effects. No known health conditions are aggravated by exposure to this material under normal conditions of intended use. Inhalation of processing fumes may cause upper respiratory irritation. Polyethylene dust from grinding / pulverizing operations is considered nuisance dust.
EMERGENCY RESPONSE DATA: Clear or translucent, flexible plastic film or packet. This material will burn if exposed to open ignition source. Fire gives rise to thick, black, toxic smoke composed primarily of oxides of carbon.
CARCINOGENICITY LISTINGS: None known.

4. FIRST AID MEASURES

Take proper precautions to ensure your own health & safety before attempting to rescue and provide 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, if symptoms persist, obtain medical attention.
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.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: Not classified. Polymer will burn but does not ignite readily.
FLASH POINT/METHOD: Not applicable.
AUTO-IGNITION TEMPERATURE: ~650 °F (343°C) Estimate
FLAMMABLE LIMITS: Lower: Not Applicable Upper: Not Applicable
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: SMALL FIRE: Use DRY chemicals, CO₂, or water spray.
LARGE FIRE: Use liberal amounts of water 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 sewer or the environment.

REPORTABLE QUANTITIES: None. See Section 15: Regulatory Information.

7. HANDLING AND STORAGE

HANDLING: Keep material off walking surfaces, pellets may create slipping hazard. Polymer dust generated by aggressive handling methods 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 pellets to prevent runoff to the sewers and the environment.

STORAGE: Keep container dry. Store away from extreme heat and away from strong oxidizing agents. Keep containers closed to prevent contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: If user operations generate dust, fumes or mist, use ventilation to maintain ambient airborne contaminants below recommended occupational exposure limits.

PERSONAL PROTECTION:

INHALATION: Appropriate respiratory protection where atmosphere exceeds allowable limits:

Total Dust, PNOC	Respirable Dust, PNOC
ACGIH10 mg/M3	3 mg/M3
OSHA 15 mg/M3	5 mg/M3

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

EYES: Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT RANGE:	Not applicable	pH:	Not applicable
VAPOR PRESSURE:	Not applicable	Viscosity:	Not applicable
SPECIFIC GRAVITY:	~0.92 – 0.98 (water = 1)	Water Solubility:	Insoluble
OCTANOL/WATER		Melting Point:	~136° C (266° F)
PARTITION COEFFICIENT:	Not applicable	Evaporation Rate:	Not applicable

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: The product is stable.

CONDITIONS TO AVOID: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

INCOMPATIBILITY WITH: The pellets are softened by some hydrocarbons. Reacts with Fluorine Gas.

HAZARDOUS PRODUCTS OF DECOMPOSITION: Under normal conditions, this material will not decompose to form hazardous products.

HAZARDOUS POLYMERIZATION: No.

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11. TOXICOLOGICAL INFORMATION

Not considered to be toxic to humans or animals.

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.

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

SKIN EFFECTS: No skin effects are expected from polyethylene contact.

REPEATED DOES TOXICITY: Subchronic, 50-90 day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels of 1 to 20% powdered and shredded polyethylene. IARC has listed polyethylene as a Group 3 substance (unclassifiable or probably noncarcinogenic).

CARCINOGENICITY: None expected.

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

Component

- 1-Octene, polymer with ethane

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

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

REPEATED DOSE TOXICITY: Subchronic, 50-90 day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels of 1 to 20% powdered and shredded polyethylene. IARC has listed polyethylene as a Group 3 substance (not classifiable) as to carcinogenicity to humans).

CARCINOGENICITY: None expected.

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

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 digested.

ENVIRONMENTAL FATE: No information found in our selected references.

BIOACCUMULATION: Not expected to occur.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Polyethylene, or liquid

DOT HAZARD CLAUSE: Non-regulated

UN/NA ID: Non-regulated

PACKING GROUP: Not applicable

REPORTABLE QUANTITY: None

LABELS: Not applicable

MARINE POLLUTANT: No

NAER GUIDEBOOK: Non-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. (None)

SARA-Section 313
EMISSIONS REPORTING:
SARA III, Sec. 311/312:

This product contains no SARA 313 "toxic chemicals" above threshold levels.

CERCLA:
CALIFORNIA PROPOSITION 65:
COALITION OF NORTHEAST
GOVERNORS ("CONEG") legislative
model for the reduction of toxics in
packaging and
CALIFORNIA TOXICS IN
PACKAGING PREVENTION ACT

No components present in this product are subject to the reporting requirements of this statute.

No reportable quantities.

No Warning required.

All shipping mailer packaging and packaging components, manufactured in the United States by Pregis Innovative Packaging, Inc., comply with the several United States' enacted provisions of the Coalition of Northeast Governors ("CONEG") legislative model for the reduction of toxics in packaging and the California Toxics in Packaging Prevention Act. Pregis Innovative Packaging, Inc.'s manufacturing practices prohibit the intentional introduction of cadmium(Cd), hexavalent chromium(Cr +6), lead (Pb), or mercury (Hg) into its products' formulations. Further, the cumulative total of all such metals' incidental concentrations does not exceed 100 parts per million (ppm).

16. OTHER INFORMATION



Tim Blotkamp
Regulatory Affairs

Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user, and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.

PREPARED BY: Product Stewardship Office
Pregis Corporation
1411 Pidco Drive
Plymouth, IN 46563

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