



## ***SAFETY DATA SHEET***

### ***For Industrial Use Only***

*The OSHA Hazard Communication Standard 29 CFR 1910.1200 requires that the information contained on this sheet be made available to your workers. Instruct your workers to handle this product properly.*

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#### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT:** Polyethylene Products

**MANUFACTURER:**



**ZORMOT**  
**INTERNATIONAL, INC.**

P.O. BOX 644

JENISON, MICHIGAN 49429-0644

PHONE 616-457-5442 • FAX 616-457-8167

PHONE 1-800-459-5422 • FAX 1-800-655-5653

**IDENTIFIED USES:** For packaging finished articles.

**PROHIBITED USES:** Not for ingestion or medical applications involving implantations in the human body, or contact with internal body fluids or tissues.

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#### **SECTION 2: HAZARDS IDENTIFICATION**

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**GHS CLASSIFICATION:** Not a hazardous material

**GHS LABEL ELEMENT:** Not a hazardous material

**OTHER HAZARDS, NON-CLASSIFIED:**

**EYE:** Not hazardous during normal use

**SKIN CONTACT:** Not hazardous during normal use. If product is heated, thermal burns may result from contact.

**INGESTION:** Not expected to be a hazard during normal use.

**INHALATION:** No hazard during normal use.

Fumes generated from heating operations may irritate respiratory tract.

**CARCINOGENICITY:** Not Applicable

**NFPA HAZARD ID:**

Health:0

Flammability:1

Reactivity:0



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### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

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Proprietary blend of polyethylene based polymers and/ or copolymers.

Additives: Slip and/ or antiblock, and/ or process aid and/ or color masterbatch for tinted products.

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### SECTION 4: FIRST AID MEASURES

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**GENERAL HAZARD:** If molten plastic contacts the skin, flush with large amounts of water immediately to cool the affected area. If burn is extensive or severe, get emergency medical care.

**INHALATION:** If fumes are inhaled from heating operations, remove person to fresh air. For excessive fumes inhalation, obtain medical attention.

**SKIN CONTACT:** Hot or molten plastic may cause thermal burns. Flush with large amounts of water.

**EYE CONTACT:** Flush eyes with clean flowing water for several minutes and get medical attention if discomfort continues.

**INGESTION:** Not expected during normal use but in the event of accidental ingestion of plastic, seek medical attention.

**NOTES TO MEDICAL EXPERTS:** Provide appropriate treatment depending on the symptoms shown.

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### SECTION 5: FIRE-FIGHTING MEASURES

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**GENERAL HAZARD:** Plastic may burn at or above the autoignition temperature. If the film is thermally decomposed, flammable and/ or toxic gases may be released.

**AUTOIGNITION:** Over 500F

**EXTINGUISHING MEDIA:** Water Spray, Dry chemical, Foam, Carbon Dioxide, Water Fog

**SPECIAL FIRE FIGHTING PROCEDURES:** For fires in enclosed areas, fire-fighters must wear positive pressure, self-contained breathing apparatus. Do not direct a solid stream of water or foam into burning molten plastic as this may cause spattering and spread fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal combustion may produce carbon dioxide, water vapor, carbon monoxide and flammable hydrocarbons.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Product is non-hazardous in the form supplied. Spills or accidental release is not expected from normal use.

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## SECTION 7: HANDLING AND STORAGE

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Handle in accordance with good industrial hygiene and safety practice.

Store in cool, dry place, indoors and away from direct sunlight or ultraviolet light.

Keep away from ignition sources, heat open flames.

Do not store with incompatible materials.

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## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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**RESPIRATORY PROTECTION:** For normal, ambient conditions of use, no respiratory protection is required. For heating operations, use adequate ventilation or local exhaust ventilation for air borne fumes or dust. If adverse effects such as respiratory irritation or discomfort is experienced then additional respiratory protection is recommended – wear NIOSH approved air purifying respirators.

**EYE PROTECTION:** If there is a potential for generating dust or for melting the material, goggles or a face shield is recommended.

**SKIN PROTECTION:** When handling hot or molten plastic, wear thermally resistant gloves.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Clear or tinted plastic film

**ODOR:** None

**ODOR THRESHOLD:** No data available.

**pH:** Not Applicable

**MELTING POINT/ RANGE:** 215F – 265F



BOILING POINT: Not Applicable

FLASH POINT: Not Applicable

EVAPORATION RATE: Not Applicable

FLAMMABILITY (SOLID, GAS): No

UPPER/LOWER EXPLOSIVE LIMITS: Not Applicable

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY (Air = 1): Not Applicable

SPECIFIC GRAVITY/ RELATIVE DENSITY (Water = 1): 0.80 – 1.0

WATER SOLUBILITY: Insoluble

PARTITION COEFFICIENT (n-octanol/water): No data available

AUTOIGNITION TEMPERATURE: > 300 C

THERMAL DECOMPOSITION TEMPERATURE: > 300C

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#### SECTION 10: STABILITY AND REACTIVITY

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REACTIVITY: No known reactivity hazards.

CHEMICAL STABILITY: Chemically stable as supplied and under normal ambient and recommended storage and handling conditions.

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

MATERIALS TO AVOID: The material may be softened by some hydrocarbons, fluorine.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion may produce carbon dioxide, water vapor, carbon monoxide, hydrocarbon oxidation products such as ketones, aldehydes, organic acids and alcohols.

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#### SECTION 11: TOXICOLOGICAL INFORMATION

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ACUTE ORAL TOXICITY: Not toxic under normal conditions of use.



ACUTE INHALATION TOXICITY: No data available. Vapors released during thermal operations may cause respiratory irritation.

ACUTE DERMAL TOXICITY: No data available and presumed non-toxic under normal ambient conditions of use. Contact with molten or hot plastic may cause be burns.

EYE IRRITATION: Under normal conditions of use, not an eye irritant. Potential for dust or vapors from heating operations to cause irritation.

ADDITIONAL INFORMATION: No data available for carcinogenicity, Teratogenicity, Mutagenicity, Reproductive Toxicity.

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## SECTION 12: ECOLOGICAL INFORMATION

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TOXICITY: No known acute toxic effects.

PERSISTENCE & DEGRADABILITY: Product is not soluble in water and not expected to be biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is not expected.

MOBILITY: The product is non-volatile.  
Aquatic environments: This product is not soluble in water and floats.  
Terrestrial environments: Product is expected to remain in the soil.

OZONE DEPLETING SUBSTANCES: None reportable, in compliance with 40 CFR 82.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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Product should be used for the intended purpose or recycled in accordance with local regulations if possible.  
Do not dump in sewers, on the ground, or into any body of water. All disposal practices must comply with local rules and regulations.

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## SECTION 14: TRANSPORT INFORMATION

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Not regulated for transport.

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## SECTION 15: REGULATORY INFORMATION

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U.S. TSCA Inventory: Components of this product are in compliance with inventory.



SARA Title III – Sections 302, 311, 312: This product is non-hazardous under SARA.  
Section 313: No reportable substances.

DSL – Canadian Domestic Substance List: Compliant with inventory.

EINECS: Compliant with requirements.

REACH: Does not contain SVHCs per issue date.

OZONE DEPLETING SUBSTANCES: None reportable, in compliance with 40 CFR 82.

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#### SECTION 16: OTHER INFORMATION

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Most of the information contained in this material safety data sheet was obtained from our raw materials suppliers and to the best of our knowledge is correct. The information is provided for guidance only in the safe handling, storage, transportation, use and disposal of the product.

### **DISCLAIMER**

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