

## GHS SAFETY DATA SHEET

### 1. Identification

**Product Name:** Polyethylene Film Products

**Synonyms:** Poly film, blown film sheeting, poly bags, poly sheeting

**Product Use:** Industrial packaging, product protection, converter films

**Restrictions:** Do not use Crayex Corporation polyethylene film products in medical applications involving implantation within the body or permanent contact with internal body fluids, tissues, bone, blood, or mucous membranes. Crayex products are not designed or manufactured for use in implantation or contact with internal body fluids or tissues.

**Manufacturer/Supplier:** Crayex Corporation

**Address:** 1747 Commerce Drive, Piqua, OH 45356

**General Information:** 937-773-7000

**Emergency Number:** 937-773-7000

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### 2. Hazards Identification

**GHS Classification:** Under conditions of normal use, Crayex polyethylene film products do not meet or exceed requirements to be classified as a hazardous chemical.

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### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyethylene	9002-88-4	>=90%*

- \*Other chemical additives including antioxidants, UV stabilizers, processing aids, slip/anti-block agents, and colorants may be processed into various polyethylene film products. Identity of resin manufacturers, additive manufacturers, and exact percentage of blends are proprietary information.

#### **4. First Aid Measures**

**Eye:** Eye irritation--flush with large amounts of water for at least 15 minutes. Seek immediate medical attention.

**Skin:** If molten material contacts the skin, immediately flush the area with large amounts of water. Do not attempt to peel polymer from skin. Seek immediate medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of dust or fumes from overheating. Seek immediate medical attention.

**Ingestion:** Do not induce vomiting unless directed by medical personnel. Seek immediate medical attention.

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#### **5. Fire Fighting Measures**

**Suitable Extinguishing Media:** Use water spray, dry chemical, CO<sub>2</sub>, foam. Avoid high velocity, direct water stream that may spread surface burning area.

**Fire Fighting Procedures:** Exposed firefighters should wear self-contained breathing apparatus with full-face mask and full protective clothing.

**Unusual Fire and Explosion Hazards:** Do not flush down sewers or other drainage systems. Dust particles may form an explosive mixture with air. Dust may accumulate hazardous static charge.

**Combustion Products:** Combustion products include carbon dioxide, carbon monoxide, water vapor, and small amounts of other organic vapors. Inhalation of these decomposition products may be hazardous.

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#### **6: Accidental Release Measures**

All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with applicable laws and regulations. Reclaim where possible. Material may be slippery and create a fall hazard. Dissipate static electricity during handling by use of proper grounding and bonding methods.

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#### **7. Handling and Storage**

**Handling:** Secure product to prevent shifting during handling or transport. Some rolls of polyethylene film can be heavy; care should be taken when cutting strapping to ensure rolls do not drop unexpectedly. Safe lifting practices should be used when handling product.

**CAUTION:** Suffocation hazard if polyethylene film covers face. **KEEP AWAY FROM CHILDREN!**

**CAUTION:** Polyethylene film products may accumulate static.

**Storage:** Do not store near heat, flame, or strong oxidizing agents. Store in a dry, well-ventilated area.

## **8. Exposure Controls / Personal Protection**

**Exposure Limits:** N/A

**Engineering Controls:** Local exhaust ventilation, process enclosures, or other engineering controls may be necessary to keep air contaminants below their exposure limits. If there are no applicable exposure limits or guidelines, general ventilation should be sufficient.

### **Personal Protective Equipment (PPE)**

**Eye Protection:** Safety goggles should be worn to prevent mechanical injury or other irritation to eyes during the processing of this product. If material is heated, chemical goggles, safety glasses with side shields, or full face shield should be worn.

**Skin Protection:** At ambient temperatures, the use of clean and protective clothing is recommended. If material is heated or molten, wear thermally insulated, heat-resistant gloves. Insulated clothing should be worn to prevent skin contact if engineering controls or work practices are not adequate.

**Respiratory Protection:** Use local exhaust ventilation, process enclosures, or other engineering controls to keep airborne levels below recommended exposure limits. Use appropriate respiratory protection where atmosphere exceeds recommended limits (if applicable), or when adverse effects such as respiratory irritation or discomfort have been experienced.

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## **9. Physical and Chemical Properties**

**Appearance:** flexible film or bag (color may vary)

**Odor:** faint, mild hydrocarbon odor

**Flashpoint:** N/A

**Autoignition Temperature:** >300 degree C

**Decomposition Temperature:** >300 degrees C

**Boiling Point:** N/A

**Melting Point:** 90 – 140 degrees C

**Freezing Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density (Air=1):** N/A

**% Solubility in Water:** insoluble

**Flammability:** not classified; burns but does not easily ignite

**Lower Flammability Limit:** no data available

**Upper Flammability Limit:** no data available

**Relative Density:** .910 - .970 (water = 1)

**Evaporation Rate (Water=1):** N/A

**Viscosity:** N/A

**pH:** N/A

**Partition coefficient: n-octanol/water:** N/A

## **10. Stability and Reactivity**

**Reactivity:** no known reactivity hazards.

**Chemical Stability:** Stable under normal use conditions.

**Conditions to Avoid:** Avoid contact with strong oxidizers, excessive heat, sparks, or open flame.

**Materials to Avoid:** fluorine gas, diethyl ether, methylene chloride, ethylene chloride. Polyethylene degrades after prolonged contact with most aromatic hydrocarbons and most halogenated hydrocarbons.

**Hazardous Decomposition Products:** may include carbon monoxide, other hydrocarbons and hydrocarbon oxidation products, organic vapors, aldehydes, and alcohols.

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## **11. Toxicological Information**

**Routes of Exposure:** Eyes, inhalation, or skin.

Under normal conditions of use, this product presents no likely route of exposure. However, if machined, processed, or heated, possible exposure could occur.

### **Symptoms**

**Physical Contact:** Heated material may cause thermal burns.

**Chemical Contact:** Inhalation of process fumes and vapors may cause soreness in nose and throat; may cause coughing.

**Toxicological:** This material is considered essentially inert and non-toxic. It has no known acute health effects.

**Delayed/Immediate Effects:** Coughing, soreness of nose/throat, possible redness of skin, eyes, or throat

**Chronic Effects:** Product has minimal chronic effect; no known or reported reproductive or genetic effects.

**Acute Toxicity:** not classified

**Chronic Toxicity:** not classified

**Carcinogenicity:** not listed by IARC, NTP, OSHA, or EPA

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## **12. Ecological Information**

**Ecotoxicity:** Polyethylene film is essentially biologically inert and considered non-toxic.

**Persistence/Degradability:** This product is not expected to be readily biodegradable.

**Bioaccumulation:** This product is not expected to bioaccumulate.

**Mobility:** This product has not been found to migrate through soils.

**Additional Ecological Information:** If released into waterways, most polyethylene film floats and presents possible hazard if ingested by birds and aquatic life. Product should be recovered following spills.

***13. Disposal Considerations***

All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with applicable laws and regulations. Reclaim/recycle where possible. Preferred disposal methods are a.) clean and reuse, b.) recover/resale through recyclers/brokers, c.) incinerate with heat recovery, d.) proper landfill disposal.

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***14. Transport Information***

NOT REGULATED for transport.

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***15. Regulatory Information***

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

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***16. Other Information***

**Revision Indicator:** New GHS MSDS, 6/1/2015

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