



**SAFETY DATA SHEET**  
According to Regulation (EC) No 1907/2006 (REACH)

**1. PRODUCT IDENTIFICATION**

Trade Name(s): e.shield 110 (formerly ECOSHIELD-E10), e.shield 108 (formerly ECOSHIELD-E8), e.shield 115 (formerly ECOSHIELD-E15)

Product Description: Red film

Chemical Name: Polyethylene

Chemical Family: Ethylene-based Polymer

CAS No: N/A

Supplier:

EPRO Services, Inc.

PO Box 347

Derby, KS 67037

800-882-1896 (8:00am – 5:00pm CST)

**2. HAZARD(S) IDENTIFICATION**

NO HAZARDOUS INGREDIENTS.

CAUTION: Molten material will product thermal burns.

<u>HMIS* Hazard</u>	<u>Rating</u>
Health	0
Flammability	1
Chemical Reactivity	0

HMIS\* Rating involves data interpretations that may vary from company to company. They are only intended for rapid, general identification of the magnitude of the specific hazard. To deal properly with the safe handling of this material, all the information contained in this SDS must be considered.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Typical composition:

<u>Weight %</u>	<u>Component</u>	<u>CAS #</u>
>0 – 95%	Polyethylene	9002-88-4
0 - < 95%	Linear low density polyethylene	25213-02-9
< 10%	Modifiers / Additives	Proprietary

#### **4. FIRST-AID MEASURES**

Inhalation: In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, remove affected victim from exposure.

Eyes: Product is an inert solid. If product is in the eye, remove immediately.

Skin: If exposed to hot product, immediately immerse in or flush with large amounts of cold water to dissipate heat.

Ingestion: First aid is normally not required. Material is not expected to be absorbed from the gastrointestinal tract. Induction of vomiting should not be necessary.

Note to physicians: Burns should be treated as thermal burns. Cover with clean cotton sheeting or gauze. Do not attempt to remove material from skin or to remove contaminated clothing as the damaged flesh can be easily torn.

#### **5. FIRE-FIGHTING MEASURES**

Extinguishing Media: Water spray or dry chemical

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing

Hazard combustion products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Powdered material may form explosive dust-air mixtures.

#### **6. ACCIDENTAL RELEASE MEASURES**

Spill is not applicable. Material is normally in solid form.

#### **7. HANDLING AND STORAGE**

Electrostatic accumulation: Yes, use proper bonding and/or grounding

Storage temperature: Ambient

Loading / Unloading temperature: Ambient

Storage / Transport pressure: Atmospheric

Loading / Unloading viscosity: Solid

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Controls: Not applicable

Personal Protection: At ambient temperature, wear safety glasses when contact is likely. When contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

Workplace Exposure Guidelines: OSHA Regulations 29 CFR 1910.1000 requires the permissible exposure limits of 5 mg/m<sup>3</sup> (respirable dust), and 1.5 mg/m<sup>3</sup> (total dust) based on the OSHA PEL for nuisance dust.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11<sup>th</sup> Circuit Court of Appeals, it is recommended that the lower exposure levels be observed as reasonable protection of workers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid  
Color: Red  
Specific Gravity: < 1.0  
Flash Point: Not applicable

Odor: Odorless  
Solubility in Water: Insoluble  
Softening Point: < 130°C  
Melting Point: 245 - 256°F

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Conditions to avoid: Temperatures > 650°F (343°C)  
Hazardous Polymerization: Will not occur

## 11. TOXICOLOGICAL INFORMATION

Route(s) of Entry: Inhalation: No Skin: No Ingestion: No  
Health Hazards (Acute & Chronic): No health hazards under normal processing conditions.  
Eye & Skin Contact: None Identified.  
Skin Absorption: Non-toxic.  
Inhalation: No significant irritation expected.  
Ingestion: No significant health hazards identified.  
Carcinogenicity: Unrelated NTP: No IARC: No OSHA Regulated: No

## 12. ECOLOGICAL INFORMATION

There is no specific ecological data available regarding this product.

## 13. DISPOSAL CONSIDERATIONS

Dispose of according to State and Local regulations.  
Material is non-toxic and non-flammable and can be disposed of in land fill sites.

## 14. TRANSPORT INFORMATION

No hazardous ingredients.

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the controlled products.

Sara 313 Information: Product contains no chemical subject to Sara Title III Section 313 Supplier Notification Requirements.

Sara Hazard Category: Product has been reviewed in accordance with EPA Hazard Categories (Sara Title III) and is considered, under applicable conditions to meet the following categories: Not to have met any hazard category.

Toxic Substances Control Act (TSCA): All necessary ingredients are on the TSCA inventory.

State Right-to-Know: This product is not known to contain any substances subject to disclosure requirements of New Jersey, Pennsylvania, and California.

OSHA Hazard Communication Standard: Product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## **16. OTHER INFORMATION**

This information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.