



1/27/23

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

1. PRODUCT IDENTIFICATION

Trade Name(s): e.shield f (formerly ECOSHIELD-F)
Product Description: Nonwoven polypropylene geotextile
Synonyms: N/A
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

Overview: No hazardous components in geotextile at or above threshold limit values. Polypropylene is not hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200). GHS Label Elements are not required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient Chemical Name (CAS#) Common Name | OSAWA PEL or TWA | ACGIJ TLV | Weight % |
|--|-----------------------------|------------------|-----------------|
| Polypropylene Resin (9003-07-0) | Not Applicable | Not Applicable | 94 – 99% |
| Carbon Black (1333-86-4) | 3.5 mg/cm TWA | 3.5 mg/cm TWA | 0 – 5% |
| Fatty Glycol and Additives (non-hazardous) | Not Applicable | Not Applicable | <1% |

4. FIRST-AID MEASURES

Eye Contact: Dust may cause irritation. Flush with Water

Skin Contact: Treat as thermal burn if contact with molten. Wash with soap and water. In case of irritation, consult a physician.

Inhalation: Not likely in current form.

Ingestion: Not likely in current form

5. FIRE-FIGHTING MEASURES

Flash Point: > 600 degrees (F) (COC, ASTM D92)

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water, and Halon

Special Fire Fighting Procedure: For large fires in confined area, use N10SH/MSHA approved, self-containing breathing apparatus. Use water fog or spray to cool exposed equipment & containers.

6. ACCIDENTAL RELEASE MEASURES

No environmental threat is expected from release.

7. HANDLING AND STORAGE

Handling: Practice reasonable care and caution in handling. Large rolls may require lifting devices.

Waste Disposal: Ensure conformity with all applicable disposal regulations. This product does not meet the definition of hazardous waste material.

Storage: The material should be kept in its original packaging. In the event of damage to the packaging during shipment, repairs should be made to ensure protection against UV and weather. Care should be used during the off-loading to ensure that the machinery used does not penetrate packaging. Rolls should not be stored in standing water. For storage longer than 30 days, rolls should be elevated off the ground with tires, pallets or 2 x 4's to prevent water from saturating the bottom row. Care must be taken to prevent exposure of the product to excessive dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use NIOSH respirators when hot/molten product.

Protective Gloves: Required when handling molten product

Practice general hygiene by washing hands and clothes after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure: Not Applicable

Specific Gravity: 0.90 - 0.905

Melting Point: 120-170 Degrees (C)

Vapor Density: Not Applicable

Evaporation Rate: Not Applicable

Solubility in Water: Not Applicable

Appearance and Odor: Essentially odorless; wound on cardboard core

10. STABILITY AND REACTIVITY

Material is stable. Hazardous polymerization will not occur. Do not store near heat, flame, or strong oxidants.

11. TOXICOLOGICAL INFORMATION

Inhalation: Not likely under normal use.

Injection: Not likely under normal use.

Ingestion: Not likely in current form.

Skin Contact: Not known effect. Prolonged contact may cause mild skin irritations to some individuals.

Eye Effects: Not toxic, may cause irritation.

Target Organs: None

Chronic: There are no known health effects from long term use or contact.

Carcinogenicity: The International Agency for Research on Cancer evaluation is that, "Carbon black (airborne, unbound particles of respirable size) is possibly carcinogenic to humans (Group 2B)".

12. ECOLOGICAL INFORMATION (non-mandatory)

Environmental Data: Not expected to be hazardous to the environment in present form.

13. DISPOSAL CONSIDERATIONS (non-mandatory)

Disposal: Spent material should be recycled or disposed according to current regulations. Does not contain RCRA regulated materials.

14. TRANSPORT INFORMATION (non-mandatory)

DOT Classification: Not regulated

Proper Shipping Name: Wrapped rolls of fabric made from synthetic fibers. NMFC 49265 Sub 9, Class 70.

15. REGULATORY INFORMATION (non-mandatory)

USA TSCA: This product is considered an article and is exempt from TSCA requirements.
Canada Domestic Substances List (DSL): This product is not specified on the DSL or
NDSL.

SARA TITLE III:

CERCLA/SARA (302) Extremely Hazardous Substances: None listed

SARA (311,312) Hazard Class: None listed

SARA (313) Chemicals: None listed

California Proposition 65: Carbon Black (airborne, unbound particles of respirable size), CAS#
1333-86-4 is listed as a possible carcinogen.

CANADA REGULATIONS (WHMIS): Not Listed

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.