



SAFETY DATA SHEET

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

1. PRODUCT IDENTIFICATION

Trade Name(s): GFG 20X, e.base 216 (formerly Ecoshield P16), e.base 205 (formerly ECOSHIELD P), e.shield 205 (formerly ECOSHIELD PP)

Product Description: Film

Chemical Name: Polyethylene Compounds

Chemical Family: Polyolefin

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

Physical Appearance: Natural translucent or in various colors.

Immediate Concerns: When using or handling as supplied there are very low hazards.

OSHA Hazard Category: Combustible dust.

GHS Hazard Categories: Not classified.

Signal Word: Warning! This product as shipped is not classified as a combustible dust; however, a combustible concentration of dust may occur if fine powders accumulated or suspended in an enclosed or confined area (e.g. from cutting or sanding the films).

Pictogram: There is no pictogram for a combustible dust hazard.

Rough edges of films could result in minor cuts to hands. Appropriate gloves should be worn to prevent cuts and/or scraps. Avoid contact with strong oxidizing agents. When working with film at hot temperatures, the material may begin to decompose producing fumes that can contain carbon dioxide, carbon monoxide, and other unidentified organic compounds that come from the breakdown of the materials used to make the films. Adequate ventilation should be provided to minimize exposures to vapors and fumes. When cutting, shaping, or modifying films, other hazards may exist.

Potential Health Effects

Eyes: Dust from cutting may result and mechanically irritate the eyes. If using elevated temperatures, vapors may irritate eyes.

Skin: Cuts or scraps referenced above. If using elevated temperatures to soften films exposure to molten resin may cause thermal burns.

Ingestion: May cause choking if swallowed.

Inhalation: Inhalation of dust at high concentration may cause irritation of the respiratory system. Inhalation of vapors from use of elevated temperatures may also cause irritation of the respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The primary composition of this product is polyethylene. This product contains a proprietary blend of components encapsulated with a polymer matrix.

<u>NO</u>	<u>Components</u>	<u>CAS No.</u>	<u>Wt. Percent</u>
1	Polyethylene	9002-88-4	40-80
2	Polypropylene	9003-07-0	15-50
3	Proprietary	Mixtures	0-30

4. FIRST-AID MEASURES

The following applies if films are cut, sanded, or otherwise processed which generates dust, debris, or vapors.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If irritation or other symptoms occur, consult a physician.

Skin Contact: Get medical attention for serious burns. In case of skin contact with hot product immediately immerse in or flush with clean, cold water.

Inhalation: Remove to fresh air. Consult physician if irritation of respiratory passage occurs.

Ingestion: Consult physician.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide or foam.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and other possible toxic combustion products.

Explosion Hazard: Avoid generating dust, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Special Fire Fighting Equipment: Wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing.

Sensitive to Static Discharge: Static discharge could be an ignition source for a combustible concentration of dust.

6. ACCIDENTAL RELEASE MEASURES

As supplied, the product presents no risk of spill or release.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Wear safety glasses during cutting and fabricating processes. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Handling: If product is cut or sanded, avoid exposure to dust and debris. Provide appropriate local ventilation at machinery and at places where dust can be generated. In addition, wear suitable respiratory equipment to avoid breathing dusts containing titanium dioxide and/or carbon black.

Storage: Store in a dry place and away from direct sunlight. Keep away from heat, flame, and strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Not applicable.

Engineering Controls: Ventilation Requirements—General ventilation should be sufficient. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed. If handling results in dust generation, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust.

Personal Protective Equipment

Respiratory Protection: Not required in normal use of product. NIOSH approved dust mask recommended if dust conditions exist.

Eye Protection: When cutting or processing product, wear safety glasses with side shields.

Body Protection: Wear protective gloves to avoid incidental cuts or scraps that could occur when handling the edges of product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid

Specific Gravity: 0.7 – 1.2 (water = 1)

Appearance: Solid film

Odor: Insignificant

Solubility in Water: Insoluble

Melting Point: 120 - 170°C

Flash Point: Not applicable

Autoignition: Not applicable

Physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Do not store product near heat or flame. When cutting or sanding, minimize dust generation and accumulation. Avoid contact with strong oxidizing agents.

Hazardous Decomposition: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin Irritation: Not expected to cause skin irritation.

Eye Irritation: Mechanical eye irritation.

Sensitization/Allergic Reaction: No sensitizing effects known.

Repeated dose toxicity: No known chronic health effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on the adverse effects of this product on the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State, and local environmental control regulations.

14. TRANSPORT INFORMATION

This product is not regulated as a hazardous material/dangerous good for transportation. This product is not regulated by US DOT, IMO, and IATA. It is not applicable for UN/NA number, hazard label, hazard placard, packing group, bulk packaging, RQ, and emergency response guide (ERG) number.

15. REGULATORY INFORMATION

United States

US Toxic Substances Control Act (TSCA): All components comprising these products are compliant with TSCA. These products have no special requirements under TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.)

OSHA Hazard Communication Rule: This product is not considered a hazardous material as shipped or at temperatures below the melting point according to OSHA definitions.

SARA Title III: This product is not subject to SARA Title III requirements.

SARA Section 302 Toxic Chemical List: No components listed.

SARA Section 3313 Toxic Chemical List: No components listed.

OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product-specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

<u>State</u>	<u>Chemical</u>	<u>Regulation</u>
None	Polyethylene	None

International

None

16. OTHER INFORMATION

HMIS

Health: 0

Flammability: 1

Physical Hazard: 0

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.