Section 1 - CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION

Supplier Information:

American Excelsior Company
850 Avenue H East
Arlington, TX 76011
Office Phone #: (817) 385-3500

Chemical Name: Polyethylene
Synonyms: Polyethylene Foam
Internal Product Codes:
Product Use: Packaging

SDS Origination Date: 05-05-15
Last Revision Date: 05-05-15

Section 2 - HAZARDS IDENTIFICATION

Product Overview:

Product is polyethylene foam used for packaging. This product may release localized amounts of residue during fabricating operations. Always store and transport in well ventilated areas.

GHS LABEL: 

Signal word: WARNING

Primary Health Hazard(s):

The primary health hazards posed by this product are thought to be due to exposure to dusts.

Potential Health Effects:

Skin Contact	Skin contact not normally a problem. Sensitive individuals may experience dermatitis from anti-static or flame retardant additive if present.
Eye Contact	Solid or dust may cause irritation or corneal injury due to mechanical actions. Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.
Inhalation	Fumes generated under heat may cause eye irritation and respiratory irritation. Dust may cause irritation to upper respiratory tract and lungs.
Ingestion	Unlikely, material physiologically inert.
Skin Absorption	Unlikely due to physical properties.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	% Weight
Expanded Polyethylene/Foam	**N/A**	**≈99.0**
Color Concentrate	**Variety**	**≈1.0**

Section 4 - FIRST AID MEASURES	
Eyes:	Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected. If effects occur, consult a physician, preferably an ophthalmologist.
Skin:	Wash skin with plenty of water.
Ingestion:	If swallowed, seek medical attention. May cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel.
Inhalation:	Move person to fresh air; if effects occur, consult a physician.

Section 5 - FIRE FIGHTING MEASURES
General Fire Hazards: Product will ignite upon exposure to ignition source.
Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire dioxide fire extinguishers. Foam.
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.
Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. In smoldering or flaming conditions, carbon monoxide, carbon dioxide and carbon are generated. Based on combustion toxicity testing, the effects of combustion from this foam are not more acutely toxic than the effects of combustion from common building materials such as wood.
Unusual Fire and Explosion Hazards: Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate. Dense smoke is emitted when burned without sufficient oxygen.
Fire Fighting Equipment/Instructions: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6 - ACCIDENTAL RELEASE MEASURES	
Containment Procedures:	Recover spilled material if possible. See Section 13, Disposal Considerations, additional information.
Personal Precautions:	There are no special required instructions.
Environmental Precautions:	There are no special required instructions.

Section 7 - HANDLING AND STORAGE

Procedures for Handling:

WARNING: Fabricating operations, which cut large numbers of interior foam cells, can release localized amounts of flammable, residual blowing agent. Provide adequate ventilation to avoid the build up of blowing agent concentration.

Recommended Storage Methods:

WARNING: Always store polyethylene foam products in well-ventilated areas. Always keep foam products away from excessive heat and any source of ignition such as sparks or flame. Never store foam in confined areas or sealed-off compartments.

Recommended Transportation Methods:

WARNING: Transport large quantities of this polyethylene foam in ventilated vehicles. Exercise caution when opening vehicles containing this polyethylene foam to avoid all possible sources of ignition (lit tobacco products, sparks etc.) near the foam and vehicle.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment:

Eye/Face: Eye protection should not be necessary. For fabrication operations, safety glasses are recommended. If there is a potential for exposure to particles, which could cause eye discomfort, wear chemical goggles.

Skin: No precautions other than clean body-covering clothing should be needed.

Hand Protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. Use gloves to protect from mechanical injury. Selection of gloves will depend on the task.

Respiratory: When respiratory protection is required for certain operations, including but not limited to saw, router or hot-wire cutting, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate prefilter.

Ingestion: No precautions necessary due to the physical properties of the material.

Section 9 - PHYSICAL & CHEMICAL PROPERTIES	
Appearance: Polyethylene Foam	**Odor**: Negligible Odor
Physical State: Expanded Polyethylene/Foam	**pH**: N/A
Vapor Pressure: N/A	**Vapor Density**: N/A
Flash Point – Closed Cup: N/A	**Flammable Limits in Air**: N/A
Auto-ignition Temp: No test data available	**Vapor Pressure**: N/A
Vapor Density (air = 1): N/A	**Specific Gravity (H_2O = 1)**: N/A
Liquid Density: Not established for product as a whole	**Freezing Point**: N/A
Melting Point: 204 °F	**Solubility in Water**: Not soluble in water

Section 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION	
Chemical Stability:	Thermally stable at typical use temperatures.
Conditions to Avoid:	Avoid temperatures above 70 °C (158 °F). Product decomposes above 250 °C (482 °F). Avoid direct sunlight.
Incompatibility:	Avoid contact with strong oxidizers.
Hazardous Decomposition Products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating.
Hazardous Polymerization:	Hazardous polymerization will not occur.

Section 11 - TOXICOLOGICAL INFORMATION	
Other Information:	No applicable or available data for this section.

Section 12 - ECOLOGICAL INFORMATION
This product is inert to the environment and is not expected to exhibit any significant biodegradation.

Section 13 - DISPOSAL CONSIDERATIONS
Disposal Instructions: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Section 14 - TRANSPORTATION INFORMATION

Additional Shipping Information:

WARNING: Transport large quantities of this polyethylene foam in ventilated vehicles. Exercise caution when opening vehicles containing this polyethylene foam to avoid all possible sources of ignition (lit tobacco products, sparks etc.) near the foam and vehicle.

DOT: Not regulated

IMO: Not regulated

IATA/ICAO: Not regulated

Section 15 - REGULATORY INFORMATION

OSHA Hazard Communication Standard:

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

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Other Regulations:

Immediate (Acute) Health Hazard: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactive Hazard: No

Sudden Release of Pressure Hazard: No

Section 16 - OTHER INFORMATION

WARNING: Always store polyethylene foam products In well-ventilated areas. Always keep foam products away from excessive heat and any source of ignition such as sparks or flame. Never store foam in confined areas or sealed-off compartments.

WARNING: Transport large quantities of this polyethylene foam in ventilated vehicles. Exercise caution when opening vehicles containing this polyethylene foam to avoid all possible sources of ignition (lit tobacco products, sparks etc.) near the foam and vehicle.

Key/Legend:

DOT	Department of Transportation
IMO	International Maritime Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization

NFPA Ratings: Health: 1, Fire: 1, Reactivity: 0, Other: 0

HMIS Ratings: Health: 1, Fire: 1, Reactivity: 0, Personal Protection: N/A

SDS Contact: American Excelsior Company **Phone**: (817) 385-3500