

Safety Data Sheet

This product is covered by the U.S. Department of Labor Occupational Safety and Health Administration's Hazard Communication Standard. All customers and end users should read this SDS before storing, handling, processing and / or disposing of this product.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Air-Cell Polyester Foam T40, T50, T60, T80, T100, T120, T150, T180, T200, T240, T280, T300
Company identification:	Polyumac USA LLC 1060 E. 30 th Street Hialeah, FL 33013
Customer Information:	Telephone: +1 305 691 9093 Email: info@polyumac.com

2. HAZARDS IDENTIFICATION



- Respiratory Sensitizer
- Aspiration Toxicity



- Irritant (skin and eye)
- Respiratory Tract Irritant

Emergency Overview

Colors: Cream, Green, Blue, Grey, Rose, Tan

Physical State: Rigid cellular plastic, flat sheet or bun

Odor: Odorless to Mild

Hazards of product: Toxic fumes may be released during burning

OSHA Hazard Communication Standard

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

Potential Health Effects

Eye Contact: Solid or dust may cause irritation or corneal injury due to mechanical action.

Skin Contact: May cause itching or irritation due to mechanical abrasion. Skin absorption is unlikely due to physical properties.

Inhalation: Dust may cause irritation to nose and throat. Fumes or dusts generated from cutting or grinding operations may cause irritation of the upper respiratory tract and lungs.

Ingestion: Unlikely due to physical state, low toxicity if swallowed. No harmful effects anticipated from swallowing small amounts. May cause choking or blockage of the digestive tract if swallowed.

3. COMPOSITION INFORMATION

<u>Component</u>	<u>CAS #</u>
Polymerized cross-linked aromatic polyester foam	65997-17-3

4. FIRST-AID MEASURES

Eye Contact: 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 Contact: Wash with soap and water. If irritation persists, seek medical attention.

Inhalation: Move person to fresh air; if adverse effects occur, consult a physician.

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.**

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.

Special Protective Equipment for Firefighters: 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.

Unusual Fire and Explosion Hazards:

This plastic foam product is combustible and should be protected from flames and other high heat sources. Dense smoke is emitted when burned without sufficient oxygen.

Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.

The probability of dust explosions from polyester foam dust is low, however, do not smoke or use unshielded lights, open flames, space heaters or other ignition sources near foam fabricating operations.

Install foam only after all welding, cutting or other hot work has been completed. If hot work trade must be done after foam has been installed, the hot work trade must be warned. Remove foam from immediate work area so that heat transmitted from the torch or through the metal will not ignite the foam. Stop work immediately if foam begins to smoke and remove more foam from work area.

When hot-wire cutting rigid polyester foam, keep a fire extinguisher nearby. Work should be carried out in well-ventilated area-do not breathe fumes.

5. FIRE FIGHTING MEASURES continued

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. Combustion products may include and are not limited to: Carbon dioxide, carbon monoxide, and possible traces of hydrogen cyanide, halogen acids and nitrogen oxides evolve under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled: This material is a solid. See Section 13, "Disposal Considerations", for additional information.

Personal Precautions: Use appropriate safety equipment. For additional information, refer to Section 8, "Exposure Controls and Personal Protection".

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, "Ecological Information".

7. HANDLING AND STORAGE

Handling

General Handling: This material is combustible and should not be exposed to flame or other ignition sources. Refer to "EXPOSURE CONTROLS AND PERSONAL PROTECTION", Section 8 of the SDS. No smoking, open flames or sources of ignition in handling and storage area.

Other Precautions: Good housekeeping and controlling of dusts are necessary for safe handling of product. Fabrication methods which involve saw cutting or grinding will result release of polyester foam dust. Provide adequate ventilation to assure localized concentrations in release areas are maintained below the lower flammable limit.

Storage: Minimize sources of ignition, such as static build-up, heat, spark or flame. Flammable vapors may accumulate in some storage situations. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Component	% by weight	Type	Value
Polyester foam dust	100%	Inert, nuisance dust	None established

Personal Protection

Eye/Face Protection: Eye protection should not be necessary unless the material is cut or ground. 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 Protection: No special precautions other than body-covering clothing and personal hygiene.

Hand protection: Use gloves to protect from mechanical injury. Selection of gloves will depend on the task.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION continued

Respiratory Protection: Atmospheric-dust levels should be maintained below the exposure guideline. When respiratory protection is required, use an approved air-purifying respirator. In dusty or misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Particulate filter.

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

Engineering Controls

Ventilation: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Rigid cellular plastic, flat sheet or bun		
Appearance:	Uniform cell structure. Various colors		
Odor	Odorless to mild		
Vapor Pressure	Not applicable	Vapor Density (air=1)	Not applicable
Boiling Point (760 mmHg)	Not applicable	Freezing Point	Not applicable
pH	Not applicable	Solubility in Water (by weight)	Insoluble in water

10. STABILITY AND REACTIVITY

Stability/Instability:	Thermally stable at typical use temperatures
Auto-ignition Temperature:	914 °F (490 °C) <i>Literature</i>
Melting Point:	> 300 °F (>150 °C) <i>Literature</i> , Decomposes
Flash Point - Closed Cup	Not applicable
Flammable Limits In Air	Lower: Not applicable Upper: Not applicable

Conditions to Avoid: Avoid temperatures above 300°F (150°C) Exposure to elevated temperatures can cause product to decompose. Avoid direct sunlight.

Incompatible Materials: Avoid contact with: Strong oxidizers.

Hazardous Polymerization: Will not occur

Thermal Decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Toxic gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION

Repeated Dose Toxicity

Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

12. ECOLOGICAL INFORMATION

Movement & Partitioning

No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.

12. ECOLOGICAL INFORMATION continued

Persistence and Degradability

Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

Eco-toxicity

Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws, rules, and regulations. Regulations vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

Your supplier of this product has no control over the management practices or manufacturing processes of the parties handling or using this material. The information presented here pertains only to the product as shipped in its original condition as described in section 3 "Composition Information" of this Safety Data Sheet.

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed landfill, incinerator or other thermal destruction device.

14. TRANSPORTATION INFORMATION

DOT Non-Bulk:	Not Regulated
DOT Bulk:	Not Regulated
IMDG:	Not Regulated
ICAO/IATA:	Not Regulated

This information is not intended to convey all specific regulatory or operational requirements or information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative.

It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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

Immediate (Acute) Health Hazard	No
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

15. REGULATORY INFORMATION, continued

Toxic Substances Control Act (TSCA)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

16. OTHER INFORMATION

Document Effective Date: 01-April-2015

Legend

N/A	Not Available
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.

The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws.

The information presented here pertains only to the product as shipped from Polyumac USA LLC. Since conditions for storage and use of the product are not under the control of Polyumac, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

Due to the numerous sources for information such as third-party SDS information providers, we are not responsible for SDSs' obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us.