



September 2013

MATERIAL SAFETY DATA SHEET

1. Emergency Numbers:

Sealed Air Corporation: (201) 712-7000 [Emergency and General Info, 8:30AM – 5:00PM ET, Monday-Friday]

CHEMTREC: (800) 424-9300 [For Chemical Emergency- spill, leak, fire, exposure, or accident; available 24 hours]

2. Chemical Product and Company Identification:

Product Name: Non-Crosslink Polyethylene Foam. Includes various extruded polyethylene foam profiles and laminates and rolls.

Chemical Name: Polyethylene

Trade Name: Polyethylene Foam

Chemical Family: Plastics

Chemical Formula: N/A

3. Composition/Information of Ingredients:

Hazardous Ingredient	CAS No.	Wt. %	OSHA-PEL	ACGIH-TLV
Polyethylene	9002-88-4	85-100	N.E.	N.E.
Hydrocarbon Gas	75-28-5 or 74-98-6	0-5	800 ppm	800 ppm
Glycerol Stearate	Mixture	0-2	N.E.	N.E.
Color Concentrate	Variety	0-1	N.E.	N.E.

4. Hazardous Identification*:

Appearance: Solid Plastic Foam- white or colored solid.

Odor: None

Eye: Dust may cause irritation or corneal injury due to mechanical action. Fumes released during hot operation may cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: Fumes generated under heat may cause eye irritation and respiratory irritation. Dust may cause irritation to upper respiratory tract and lungs.

*Please read the entire MSDS for a more thorough evaluation of the hazards.

5. First Aid Measures:

Skin Contact: Wash with soap and water.
Eye Contact: Flush eyes with plenty of water to remove particles.
Ingestion: Not a likely route of exposure. Induce vomiting if large quantities are swallowed.
Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Oxygen may be given by qualified personnel. Get medical attention.

6. Fire Fighting Measures:

Flash Point: Polyethylene: N/A
Hydrocarbon Gas: -120°F (-84°C)*
Flammable Limits (LEL): Polyethylene: N/A
Hydrocarbon Gas: 1.8% by volume*
Flammable Limits (UEL): Polyethylene: N/A
Hydrocarbon Gas: 8.5% by volume*
Extinguishing Media: Water, carbon dioxide (CO₂), and dry chemical
Fire and Explosion Hazards: Trace amounts of residual blowing agent may be present in the foam. Mechanical and thermal processes may produce dust and flammable vapors which may be potential explosion hazards. Tightly sealed containers may burst under fire or intense heat.
Special Fire Fighting Procedures: Firefighters should be equipped with positive pressure self-contained breathing apparatus in enclosed areas.
NFPA Hazard Code: Health: 0
Flammability: 1
Reactivity: 0
Special Hazard: None

*Only trace amounts of residual blowing agent (under 2 wt%) present in the foam.

7. Accidental Release Measures:

Handle as general inert material.

8. Handling and Storage:

Storage Temperature: Max. 160°F (71°C)

Precautions to be taken in handling, storage, and transportation:

Warning: This polyethylene foam is made with a flammable hydrocarbon blowing agent, most of which is removed prior to shipment. However, residual flammable vapors may gradually exhaust from the foam during storage, fabrication, or use. Avoid close confinement of large foam quantities and sources of ignition near the foam (i.e. smoking, sparks, and flames). Do not store near heating equipment. Heating equipment should be inspected regularly during every heating season to check for pinholes or larger defects in the

chamber. Burns readily when exposed to plentiful and hot ignition sources. Use self-contained breathing apparatus in the event of fire.

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 buildup of blowing agent concentration.

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.

For additional information obtain the Sealed Air Corporation "Polyethylene Foam Safety Guide."

9. Exposure Controls/Personal Protection:

Exposure Limits:	OSHA-PEL: Hydrocarbon Gas: 800 ppm ACGIH-TLV: Hydrocarbon Gas: 800 ppm
Respiratory Protection:	In dusty atmospheres and where fumes are generated above regulatory limits, wear appropriate respirator protection.
Eye Protection:	Use goggles or safety glasses with side shields when exposed to foam dust or particles.
Ventilation:	Use local exhaust ventilation if necessary to maintain hydrocarbon gas levels below the PEL and LEL. For guidance on engineering controls, refer to the ACGIH publication, "Industrial Ventilation."

10. Physical and Chemical Properties:

Form:	Solid
Color:	Natural, Black, Light Green, and other colors
Vapor Density (Air = 1):	N/A
Molecular Weight:	N.E.
Melting Point:	230°F (110°C)
Boiling Point:	N/A
Vapor Pressure:	N/A
Bulk Density:	20-200 Kg/m ³
% Volatile by Volume:	Nil
Solubility in Water:	Not soluble

11. Stability and Reactivity:

Stability:	Stable
Polymerization:	Will not occur
Conditions to Avoid:	Avoid flame, very high temperature, and UV
Incompatible Materials:	Strong oxidants (long contact)
Hazardous Decomposition Products:	None

12. Toxicological Information:

N/A

13. Ecological Information:

This product is inert to the environment and is not expected to exhibit any significant biodegradation.

14. Disposal Considerations:

Reuse, recycle, incinerate, or dispose in approved landfill. Follow all regulatory requirements for disposal.

15. Transport Information:

DOT:	Not Regulated
IMO:	Not Regulated
IATA/ICAO Class:	Not Regulated

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.

For additional information obtain the Sealed Air Corporation, "Polyethylene Foam Safety Guide."

16. Regulatory Information:

SARA 302 Extremely Hazardous Substances:	None
SARA 311/312 Hazard Categories:	None
SARA 313 Listed Ingredients:	None
RCRA Status:	The product is not classified as a RCRA hazardous waste.

17. Other Information:

The following states have regulations that apply to the use of this product:

- NJ: New Jersey Workplace Hazardous Substance
- NJ: New Jersey Environmental Hazardous Substance List
- PA: Pennsylvania Hazardous Substance List

The appropriate state agency should be contacted for further details on regulatory requirements.