

# MATERIAL SAFETY DATA SHEET



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## EMERGENCY NUMBERS:

Sealed Air Corporation: (201) 712-7000 *For emergency and general information*  
8:30am - 5:00pm (Eastern Time), Monday - Friday

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

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cell-Aire®, Corro-Foam®, CelluPlank®, Stratocell®, Stratocell® Plus, Cellu-Cushion® and Cellu-Cushion® 84 polyethylene foams. Includes various extruded polyethylene foam profiles and laminates (Dolphin-Pad™).

Chemical Name: Polyethylene

Trade Name: Polyethylene Foam

Chemical Family: Plastics

Chemical Formula: N.A.

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Ingredient</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
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.

## SECTION 3 - 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.

**Note:** Read the entire MSDS for a more thorough evaluation of the hazards.

#### SECTION 4 - FIRST AID MEASURES

Skin Contact: Wash with soap and water.

Eye Contact: Flush eyes with plenty of water to remove particulate.

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.

#### SECTION 5 - 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)\*

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

Extinguishing Media: Water, carbon dioxide (CO<sub>2</sub>) 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.

<u>NFPA Hazard Code:</u>	Health:	0
	Flammability:	1
	Reactivity:	0
	Special Hazard:	None.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Handle as general inert material.

#### SECTION 7 - HANDLING AND STORAGE

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

## SECTION 7 - HANDLING AND STORAGE (continued)

### 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, 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 combustion 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 build up 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."*

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: OSHA-PEL: Hydrocarbon Gas 800 ppm  
ACGIH-TLV: Hydrocarbon Gas 800 ppm

Respiratory Protection: In dusty atmosphere 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."

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid plastic foam

Boiling Point: N.A.

Color: Natural, Black, Light Green and other colors.

Vapor Pressure: N.A.

Vapor Density (Air = 1): N.A.

Bulk Density: 20 - 200 Kg/m<sup>3</sup>

Molecular Weight: N.E.

% Volatile by Volume: Nil

Melting Point: 230° F (110° C)

Solubility in Water: Not soluble.

## **SECTION 10 - 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

## **SECTION 11 - TOXICOLOGICAL 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**

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

## **SECTION 14 - TRANSPORT INFORMATION**

DOT: Not regulated.

IMO: Not regulated.

IATA/ICAO Class: Not regulated.

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

## **SECTION 15 - REGULATORY INFORMATION**

SARA 302 Extremely Hazardous Substances: None

SARA 311/312 Hazard Categories: None

SARA 313 Listed Ingredients: None

RCRA Status: The product as supplied is not classified as a RCRA hazardous waste.

**SECTION 16 - 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.

Section(s) Revised: New Issue