

SECTION 1 - IDENTIFICATION

Product Family	Polyethylene foam	
Product Name	Ethafoam®, Ethafoam® Synergy®, Stratocell®, Stratocell® Plus, Cellu-Cushion®, Opti-Step®, Cellu Float, Cell-Aire®	
Product Description	Closed cell Polyethylene foams with density from 16 kg/m ³ to 150 kg/m ³	
Manufacturer	Sealed Air S.r.l. Via Europa 20040 Bellusco (Milan) Italy	Sealed Air Limited Telford Way Kettering Northants NN16 8UN, UK
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SECTION 2 - HAZARD(S) IDENTIFICATION

No substances classified as dangerous as per consolidated Directive 67/548 are present.
At higher temperatures than the decomposition temperature, product can produce gases with carbonic oxide.
The product can contain inflammable gas traces.
The material, in fine particles, can cause eye irritation.
The product, if swallowed can cause suffocation.
Melted material can cause burns if in contact with skin.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family	Plastics
Chemical Name	Low Density Polyethylene foam (LDPE)
Formula	(C ₂ H ₄) _n
Hazardous Components	None

COMPOSITION

Ingredients	CAS No.	Wt. %
Polyethylene	9002-88-4	85-100
Hydrocarbon Gas	75-28-5 or 74-98-6	0-5
Talc	14807-96-6	0-2
GMS	123-94-4	0-2
UV Stabilizer	65447-77-0	0-2
Colour Concentrate	Variety	0-1

SECTION 4 - FIRST AID MEASURES

Inhalation	In case of inhalation of vapors in the decomposition phase, immediately remove person to fresh air; encourage the person to rest in the half erected-position; loosen any clothing for comfort, but keep person warm. If breathing problems, seek trained medical advice.
Skin Contact	In the event of melted material coming into contact with skin, severe burns could occur. Immediately cool the wound with cold water. Cover the wound with a sterile cloth. Medical assistance is advisable.
Eye Contact	This is a solid and inert product. Remove as like any other foreign body. In case of unsuccessful removal, medical assistance is needed.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Materials	Water, foam, carbon dioxide CO ₂ , extinguishing powder ABC.
Fire Fighting Instructions	Melted parts usually burn slowly generating hydrocarburical decompositions substances, and with the presence of burning melted material. Spray water to cool surfaces exposed to the fire and to protect personnel. Stop the fire feed. Extinguish the fire by spraying water to cool.
Caution Hazardous Combustion Products	Wear appropriate protective clothing. Emits hydrocarburical mist. A lack of oxygen can produce Carbon Monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Causes Measures	Employ usual working equipment.
Ecological Information	See item 12.
Cleaning and Collecting Consideration	Employ usual working equipment.

SECTION 7 - HANDLING AND STORAGE

Handling	Keep away from open flame, source of heat, or ignition sources. Employ correct earthing connection to avoid accumulation that can produce sparks (possible ignition source). An appropriate ventilation system is required in premises where: - A fusion process of the material is held - The material is grinded or processed - Any type of high temperature process is held.
Storage	Product must be stored in ventilated areas, as it may contain traces of inflammable gases. Protect the material from direct sunlight as it may accelerate the deterioration process and affect the quality. The material should be kept dry for correct processing (this increases the hazard of static electricity). Stocking Temperature (°C): ambient temperature Transport Temperature (°C): ambient temperature Transport/Storage Pressure (KPa): atmospheric

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Maximum Exposure	No maximum exposure limits exists for this product.
Personal Protective Equipment	No particular protective equipment required, except regular protection according to the kind of work to be done. During processing of this material adequate ventilation system is required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Foam	
Colour	Natural	
Odour	Odourless	
Melting Point	80-100°C	
Flash Point	340°C (Literature)	
Flammability in Air	N/A	
Ignition Temperature	> 350 °C (Literature)	
Relative Density	Raw Material: Final product:	From 915 Kg/m³ to 935 Kg/m³ From 16 Kg/m³ to 150 Kg/m³
Water Solubility	Insoluble in water	

SECTION 10 - STABILITY AND REACTIVITY

Conditions to avoid	Temperatures over 300°C. Follow the suggestions in item 7 about storage.
Materials to Avoid Decomposition Products During Combustion	Strong Oxides. Polymer decomposition products, CO, various hydrocarbons and hydrocarbon oxidation products, such as aldehydes, ketones, formic acid, acetic acid depending on the combustion temperature.

SECTION 11 - TOXICOLOGICAL INFORMATION

Inhalation	Negligible hazard at ambient temperature. Mist generated at high temperatures can cause irritation to eyes and respiratory system.
Skin Contact	No hazard at ambient temperature (from -18°C to +38°C). Exposure to melted product can cause burns.
Eye Contact	Generated powder can be abrasive for the eyes and cause mechanical irritation.
Ingestion	Minimum toxicity indication (LD ₅₀ by mouth Mouse >5000 mg/Kg).
Specific Reaction	Additional information available if required.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	No information existing about environmental hazard of the material.
Mobility	None.
Persistence and Degradability	Very low UV biodegradability.
Bioaccumulative Potential	No information existing about environmental hazard of the material.
Aquatic Toxicity	The material is insoluble in water and no toxicity is expected.

SECTION 13 - DISPOSAL CONSIDERATION

The material can be recycled, the energy recovered via incineration or disposed of in an approved landfill site.

SECTION 14 - TRANSPORT INFORMATION

General Caution	Follow item 7 recommendations about storage. Avoid any ignition source near the product and the trailer.
Shipping ICAO/IATA	Employ only ventilated transportation means. No regulation exists for the shipping of this product. No regulation exists for air transportation of this product.

SECTION 15 - REGULATORY INFORMATION

In conformity with the EEC rules no DOT is required for this product.

SECTION 16 - OTHER INFORMATION

Premises where product is processed and stored should be ventilated adequately. This MSDS has been issued according to the regulation EC 1907/2006.

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