

Material Safety Data Sheet

1. Identification of the substance/preparation and of the company/undertaking

Product name: Stratocell® Foam (Standard) All Grades excluding fire retardant and laminates

SDS#: 004

Product use: Packaging

Synonyms: LLDPE

Supplier: Sealed Air Ltd.
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OTHER PRODUCT INFORMATION: E-mail: PPDeuomktg@sealedair.com

2. Composition/information on ingredients

Chemical Description: White closed cell non-crosslinked foam. Low density polyethylene foam made using a CFC and HCFC free manufacturing process

Stratocell® is produced from low-density polyethylene (LDPE) which is chemically un-reactive and is generally regarded as being biologically inert. LDPE materials are not considered to be a skin irritant.

3. Hazards identification

Physical/chemical hazards: This product is not classified as dangerous.

Human health hazards: Not classified as dangerous

Environmental hazards: Not classified as dangerous.



Effects and symptoms:

Eyes:	No significant irritation expected other than possible mechanical irritation. Heated material can cause thermal burns. When heated to decomposition it emits acrid smoke and irritating fumes.
Skin:	No significant irritation expected other than possible mechanical irritation. Heated material can cause thermal burns.
Inhalation:	Dust: Exposure to airborne concentrations well above the recommended exposure limits may cause irritation of the nose, throat, and lungs. Vapour: If heated to more than 300°C, the product may form vapors or fumes, which could cause irritation of the respiratory tract, coughing, and shortness of breath.
Ingestion:	No significant health hazards identified.

4 . First aid measures

Eye Contact:	Flush eyes with plenty of water. Get medical attention if irritation occurs.
Skin contact:	Wash with soap and water.
Inhalation:	If affected by fumes from heated material, remove from source of exposure and move the affected person into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

5. Fire-fighting measures

Extinguishing Media:

Suitable:	In case of fire, use water spray (fog), foam, dry chemical, or CO2.
Not Suitable:	Do not use water jet.

The foam should be kept away from open flames or excessive heat. It may contain traces of flammable blowing agent and should be stored in well ventilated areas. As with other foam products, adequate ventilation should be provided if the material is further processed.



Hazardous decomposition
Products:

When Stratocell® is heated in air, melting will occur at 105 degrees centigrade and decomposition will commence at about 300 degrees centigrade. Above this temperature Stratocell ® will pyrolyse oxidatively to produce carbon monoxide and water, plus small amounts of various hydrocarbons, nitrogenous compounds and aldehydes.

The evolved gases may ignite and if they do, they will provide heat of combustion thus accelerating the pyrolysis of more Stratocell ® or any combustible material in the vicinity. Carbonisation may also occur and some of the carbon is released as soot. These comments can only be of a general nature since the conditions in a real fire situation can never be fully predicted. They will depend on many factors such as the location, the oxygen availability and the presence of other flammable materials.

The pyrolysis / combustion behaviour is very similar to that of wood and other cellulosic materials though there are differences in detail. The main combustion product in flaming conditions is generally carbon dioxide, though lack of oxygen or rapid extinguishing of the fire often leads to the smoke still containing appreciable quantities of carbon monoxide, acrolein and aldehydes.

Unusual fire/explosion Hazards: This material is not explosive as defined by established regulatory criteria.

High dust concentrations have a potential for combustion or explosion.

The foam should be kept away from open flames or excessive heat. It may contain traces of flammable blowing agent and should be stored in well ventilated areas. As with other foam products, adequate ventilation should be provided if the material is further processed.

Protection of fire-fighters:

Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear. Fire-fighters' protective clothing will provide limited protection.

6 . Accidental release measures

Collect the product, reuse if possible, and dispose of in accordance with current laws



7. Handling and storage

Handling: No problems anticipated, take precautions when lifting heavy or bulky loads.

Storage: The foam should be kept away from open flames or excessive heat. It may contain traces of flammable blowing agent and should be stored in well-ventilated areas. As with other foam products, adequate ventilation should be provided if the material is further processed.

Others hazards are related to stock slippage and forklift truck maneuvers, which can cause injury to personnel. It is recommended that adequate procedures covering storage handling of rolls are established and maintained. Keep away from heat and sources of ignition

8. Exposure controls/personal protection

The product doesn't require protective equipments in normal conditions of use.

9. Physical and chemical properties

Flash point: Above 300°C decomposition occurs and flash of fumes may occur.

Colour: Coloured or white.

Odour: None

Physical state: Solid.

Melting point / range: Around 105 °C

Solubility: Insoluble in cold water.

10. Stability and reactivity

Conditions to Avoid: Stable under recommended storage and handling conditions (see section 7). If heated to more than 300°C, the product may form vapors or fumes, which could cause irritation of the respiratory tract, coughing, and shortness of breath.

Avoid all possible sources of ignition (spark or flame). To avoid fire or explosion

Incompatibility with various Substances: None identified.



11 . Toxicological information

The product is not toxic in case of swallowing.
The product is not irritant in contact with the skin.

12 . Ecological information

The product is not considered polluting.

Persistence/degradability: Not inherently biodegradable (polymer).
Mobility: This product is lighter than water and will float on the surface.
Environmental hazards: Not classified as dangerous.
Other ecological information: Wildlife may ingest plastic material or bags. Although not toxic, such materials may physically block the digestive system, causing starvation or death.

13 . Disposal considerations

Disposal Consideration/

Waste information: Recycle to process, if possible. Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

14. Transport information

This product may contain traces of flammable blowing agent, therefore adequate ventilation should be provided (Vented or soft sided trailers recommended).

15. Regulatory information

Label Requirements

Risk Phrases: This product is not classified according to the EU regulations.



16. Other information

History:

Date of issue: 17/06/2005.
Date of previous issue: NA
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Notice to reader:

NOTICE : This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.