

Corazza S.r.l.

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Safety Data Sheet no. 76
Revision no. 1
Revision date 30.03.19

SAFETY DATA SHEET

Data obtained from our supplier's safety data sheet

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Commercial name: **ZETACELL5/10**
Product category: Polyethylene foam
Product's features: Closed cell polyethylene foam with density of 16 Kg /m³ to 150Kg /m³

Name of distributor company:

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2. HAZARD IDENTIFICATION

- Does not contain substances classified as hazardous under Directive 67/548.
- At temperatures above the decomposition temperature, the product may generate gases containing carbon monoxide.
- Electrostatic charges: the product may accumulate electrostatic charges, which may cause a fire if released.
- The product may contain traces of flammable gas.
- In the form of fine airborne particles, the material may cause eye irritation.
- If ingested, the product may cause suffocation.
- The molten material may cause burns on contact with the skin.

3. COMPOSITION/INFORMATION ABOUT INGREDIENTS

Chemical category : Plastics

Chemical name: Low density polyethylene foam (LDPE)

Formula : (C₂H₂) n

Hazardous components: None



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Composition

Ingredients	CAS No.	% Weight
Polyethylene	9002-88-4	85-11
Inflammable gases	75-28-5 or 74-98-6	0-5
Talc	14807-96-6	0-2
GMS	123-94-4	0-2
UV stabiliser	65447-77-0	0-2
Colour concentrate	Various	0-1

4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes during decomposition, take the patient outdoors at once and encourage him/she to adopt a semi-erect position. Loosen clothing for greater comfort, but keep the person warm. In case of breathing difficulty, seek medical advice.

Skin contact:

Skin contact with molten material may cause serious burns. Cool the wound at once with cold water. Cover the wound with sterile gauze. It is best to consult a doctor.

Contact with eyes:

This is an inert solid product. Remove like any other foreign body. If removal is not possible, seek medical assistance.

5. FIREFIGHTING MEASURES

Extinguishing media:

Water, foam, carbon dioxide CO₂, extinguishing powder ABC.

Firefighting procedures:

Molten components usually burn slowly, generating hydrocarbons and burnt molten material by decomposition. Spray with water to cool the surfaces exposed to the fire and to protect staff. Extinguish the source of the fire. Extinguish the fire by spraying with water to cool it.

Precautions :

Wear suitable protective clothing

Hazardous combustion products:

Generates hydrocarbon mists. A lack of oxygen may produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Information for staff:

Use the usual working equipment



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Ecological information: See section 12
Collection and cleaning instructions: Use the usual working equipment

7. HANDLING AND STORAGE

Handling: Keep away from naked flames, heat sources and ignition sources. Use effective earth connections to avoid build-ups which may generate sparks (possible ignition source). A suitable ventilation system is necessary in locations in which:

- The material is melted
- The material is ground or processed
- Any type of high temperature operation is carried out

Storage: The product must be stored in well ventilated areas, since it may contain traces of flammable gases. Protect the material from direct sunlight, since this may accelerate the deterioration process and impair its quality.
The material must be kept dry to enable correct processing (this increases the risk of static electricity).
Storage temperature (°C): ambient temperature
Transport temperature (°C): ambient temperature
Transport/storage pressure (kPa): atmospheric

Storage The product must be stored in well ventilated areas, since it may contain traces of flammable gases. Protect the material from direct sunlight, since this may accelerate the deterioration process and impair its quality.
The material must be kept dry to enable correct processing (this increases the risk of static electricity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Maximum exposure: There are no maximum exposure limits for this product

Personal protection measures: No particular protective equipment is required, except for the protective equipment usually specified for the intended procedure.
A satisfactory ventilation system is required during processing of this product.



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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/D
Ignition temperature	> 350 ° C (Literature)
Relative density	Raw material: from 915 Kg/m ³ to 935 Kg/m ³ Final product: from 16 Kg/m ³ to 150 Kg/m ³
Solubility in water	Insoluble in water

10. STABILITY AND REACTIVITY

Conditions to avoid:	Temperatures over 300° C. Follow the instructions in Section 7 regarding storage.
Materials to avoid:	Strong oxides
Combustion products:	Polymeric decomposition products, CO, various hydrocarbons and hydrocarbon oxidation products, such as aldehydes, ketones, formic acid and acetic acid, depending on the combustion temperature.

11. TOXICOLOGICAL INFORMATION

Inhalation:	Hazard is negligible at ambient temperature. The mists generated at high temperature may cause eye and airway irritation.
Skin contact:	No hazard at ambient temperature (from -18 ° C to + 38 ° C). Exposure to the molten product may cause burns.
Contact with eyes:	The dust generated may be abrasive to the eyes and cause mechanical irritation.
Ingestion:	Minimum toxicity indication (LD50 in mice orally administered > 5000 mg/Kg).

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Specific reactions: additional information available on request.

12. ECOLOGICAL INFORMATION

Ecotoxicity No information is available concerning the product's hazards for the environment

Mobility None

Persistence and degradability Very low UV biodegradability.

Bioaccumulative potential No information is available concerning the product's hazards for the environment

Aquatic toxicity The material is insoluble in water and no toxicity is envisaged

13. DISPOSAL CONSIDERATIONS

The material can be recycled, energy can be recovered through incineration, or it can be disposed of in an approved landfill.

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14. TRANSPORT INFORMATION

- General precautions:** Follow the instructions in section 7 regarding storage. Avoid any source of ignition close to the product and trailer. Only use ventilated trucks.
- Shipment:** There are no regulations concerning the shipment of this product by air.
- ICAO/IATA:** There are no regulations concerning the shipment of this product by air.

15. REGULATORY INFORMATION

Under EEC regulations no DOT is required for this product.

16. OTHER INFORMATION

Facilities in which the product is processed and stored must be properly ventilated. This safety data sheet was issued in accordance with Regulation EC 1907/2006.
