

Issue Date: 20/01/2018
Last Revision Date: 14/09/2023
Superseded Date: 20/01/2018
Version Number: 02

SAFETY DATA SHEET

Product Code: BPEZ040X075

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: Livingstone Resealable Zip Lock Bag

MATERIAL IDENTITY

Chemical Name: Low Density Polyethylene

Chemicals Polyethylene Specifications Code: 1306

CAS Number: 9002-88-4

Formula: [C₂H₄]

SECTION 2 HAZARD IDENTIFICATION

Referring to EEC directive 88/379, the material is classified **NOT DANGEROUS**.

Main Personal Hazards: Fire, see Section 5.
Slipping in case of spillage/leakage, see Section 6.
Inhalation of vapors, fumes, powders, Section 7.
Hazard of contact with molten polymer, see Section 4.

Powders have specific fire risks.

Environment: Lack of biodegradability, Section 12.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Technical Name: Low Density Polyethylene, LDPE

Chemical Name: Ethylene Polymer

Ingredient Percent (%): LDPE ≥ 99.7%; Other ≤ 0.3%

CAS Number: 9002-88-4

Symbol of the basic polymer against standard ISO 1043-1

Dangerous components: NONE

SECTION 4 FIRST AID MEASURES

Skin: If molten polymer gets on the skin, cool rapidly with cool water. Burns have to be treated clinically.

Eyes: Wash abundantly with water.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, Water fog, CO₂, Foam or dry extinguishers

Extinguishing Media to be avoided: NONE

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Combustion products:

Carbon dioxide, water. In case of incomplete combustion, carbon monoxide, hydrocarbons, aldehydes, ketones and acetic acid may be developed.

SECTION 6 ACCIDENTAL RELEASE MEASURES

In case of spillage/leakage, scoop to container to avoid danger of skidding.

SECTION 7 HANDLING AND STORAGE

During the processing of the material, avoid inhalation of fumes, or powders by providing good ventilation of the workroom and, if necessary, they have to be trapped by intake in an effective manner. If these measures are taken, traces of aldehydes or ketones which may arise during the process, will remain under the TLV/TWA value. Avoid dispersion of dust in air to reduce potential for ignition or explosions.

Storage: Out of direct sunlight, in well ventilated, cool and dry places.

Fire Precautions: Equipment must be earthed, to avoid static electric charges. Any contact with flame or hot surface must be avoided.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Use gloves, goggles or eyeshade and normal working equipment. Avoid inhalation of dust.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Solid	Exposure Limits:	Not known
Form:	Pellet	Vapor Pressure:	Not known
Color:	Translucent	Vapor Density:	Not known
Odor:	None	Specific Gravity:	0.910-0.940 g/cm ³
pH value:	Not known	Solubility in Water:	Negligible
Boiling Point/Boiling Range:	Not known	Melting Point/Freezing Point:	Not known
Decomposition Temperature:	>400°C	Volatility:	Not known
Flash Point:	570°F; 300°C	n-Octanol and Partition Coefficient (lgKow):	Not known
Autoignition Temperature:	ca.340°C		

SECTION 10 STABILITY AND REACTIVITY

Stable and chemically inert at room temperature. Protracted exposure to temperature over 250°C may cause resin degradation.

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SECTION 11 TOXICOLOGICAL INFORMATION

Exposures limits for the monomer have not been fixed. Avoid exposure to fume, eventually developed during the process, by intake and/or efficient ventilation of the working rooms.

TWA (ACGIH) for dust = 5 mg/m³

SECTION 12 ECOLOGICAL INFORMATION

The product is not biodegradable. It can be recycled using suitable technologies. It does not contain, as additives, compounds of lead, mercury, cadmium and chromium. It does not contain asbestos, CFC, HCFC; halons. It is not a water endangering material. It is very slowly degraded by solar UV irradiation.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be done in accordance with existing regulations. Landfilling and incineration can be considered in most cases suitable. Recycling is possible by melting and pelletizing.

SECTION 14 TRANSPORT INFORMATION

UN Number: Not regulated
UN Shipping Name: Not regulated
D.O.T. Hazard Class: Not regulated
Package Category: Not regulated
Maritime Pollutants: Not regulated
Special Transport Way And Note: Not regulated

SECTION 15 REGULATORY INFORMATION

No data available

SECTION 16 OTHER INFORMATION

Reason for Revision: To bring to date

END OF SDS

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