

Issue Date: 19/11/2019  
Last Revision Date: 17/07/2023  
Superseded Date: 19/11/2019  
Version Number: 02

# SAFETY DATA SHEET

Product Code: EMESISBGN-50

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## SECTION 1 PRODUCT IDENTIFICATION

**Product Name:** Livingstone Emesis Vomit Bag  
**Chemical Name:** Bag Low Density Polyethylene  
**Material Use:** Film, tube, blowing, injection, cable works for more detailed information, see technical data sheet

## SECTION 2 HAZARD IDENTIFICATION

**Main Hazards:** None to our knowledge  
Low risk for temperature below 130 °C

**Symptoms Related to Use Inhalation:** Fine dust may cause irritation of respiratory system and mucous  
If heated to more than 130 °C, the product may form vapors or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath

**Skin Contact:** In contact with hot material, may cause severe thermal burns

**Eye Contact:** Fine dust may cause irritation to ocular mucous

**Ingestion:** Polyolefin are biologically inert

**Adverse Environmental Effects:** Because of its structure, the product should not be dangerous for aquatic life  
Non biodegradable

**Adverse Physicochemical Effects:** Combustible if exposed to flames  
Flowing product can create electrical charge, resulting sparks may ignite dust or cause an explosion in some concentration ranges

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Polyethylene

**Chemical Formula:** (C<sub>2</sub>H<sub>4</sub>)<sub>x</sub>

**CAS No.** 9002-88-4

**EINECS or ELINCS Number:** The product is a polymer, following the European Regulation, registration on the EINECS (European Inventory of Existing Commercial Chemical Substances)  
Inventory is not required

**Substances Presenting a Health Hazard:** None to our knowledge

**Chemical Family:** Olefinic polymer

**Additives:** Antioxidants and stabilisers: 0, 7% maximum

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## SECTION 4 FIRST AID MEASURES

### Route of Exposure

- Inhalation:** Exposure to spray, fumes and vapors produced by heated or burned product: Bring patient into fresh air seek medical advice.
- Skin Contact:** Exposure to splashing of hot product: Treat the affected part with cold water (by spraying or immersion). No attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material, the injured body part would risk being pulled out; usually the layer detaches itself after a few days.  
In case of severe burns, seek hospital treatment.
- Eye Contact:** Exposure to splashing of hot product: Treat the eyes with cold water. Seek specialist advice at hospital or medical centre. Fine dust may cause irritation to ocular mucous. In case of irritation caused by fine dust: Wash with copious volumes of water, until the irritation disappears.

## SECTION 5 FIRE FIGHTING MEASURES

- Fire-Class Regulation:** A: Solid material fires, principally of organic nature, that burn with incandescence
- Technical Measures:** Stop the fire spreading. Call the fire brigade immediately. Evacuate non-essential personnel protective clothing, goggles and self-contained breathing equipment should be made available for firemen.
- Extinguishing Media**
- Suitable:** For minor fires: carbon dioxide (CO<sub>2</sub>) or powder, water for more extensive fires: foam. Water spray (mist) to cool the surfaces exposed to the fire.
- Not to be Used:** Do not use water jets (stick jets) for extinguishing fire since they could help to spread the flames
- Special Peril:** Complete combustion, with an excess of oxygen forms: Carbon dioxide (CO<sub>2</sub>) and water vapour. Partial combustion, forms also: carbon monoxide (CO), Soot and cracked products: aldehydes, ketones, Acetone, Acetaldehyde, Formaldehyde, Acrolein, Hydrocarbons and volatile fatty acids
- Protective Equipment for Firefighters** Wear suitable breathing equipment, in case of risk of exposure to vapour or fumes.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### After Spillage/Leakage

- On Soil:** Granules spilled on the floor can cause a risk of slipping on smooth surfaces. Recover the spilled product by Sweeping or suction; put it in containers to facilitate its Disposal. Dispose safely in accordance with local or national Regulations.
- On Water:** Prevent the spilled material from spreading. If the material has been discharged into a stream or a Sewerage system, inform the authorities of the possible presence of floating materials. Clean up the water surface by creaming off debris from the top. Refer to a specialist for waste disposal in a safe manner in accordance with local or national regulations.

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## SECTION 7 HANDLING AND STORAGE

### HANDLING

**Technical Measures:** All pneumatic transport equipment must be electrically earthed. Avoid dust accumulation by use of filters in the Pneumatic transport equipment.

### STOCKAGE

**Storage Conditions:** Store at ambient temperature and at atmospheric pressure in original packaging (plastic or cardboard boxes) or in silo made of appropriate material (aluminum, stainless steel ...). Do not store near highly flammable materials. Store away from heating source. avoid static electricity build up with connection to earth. Store in dry, well-ventilated area. Prolonged storage preferably out of the sun or other sources of radiation.

**Storage of Pallets:** Two pallets may be stacked on flooring in sound condition. However, when the pictorial warning as shown on the top of the safety data sheet is affixed to the pallet, the pallet must never be placed either on top of or below another pallet. N.B.: here the term pallet includes both the pallet and its load. When pallets are stored in racks, it should be checked whether the pallet is fit for stacking in the concerned racks.

**SPECIFIC USE(S)** No information available  
 Refer to Point 8

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Controls:

**OCCUPATIONAL EXPOSURE LIMIT**

Respirable dust particles: US (ACGIH-2007): TLV- 8h TWA: 3 mg/m<sup>3</sup>  
 UK: HSE EH40/2005:  
 Long-term exposure limit (8-hour TWA reference period): 4 mg/m<sup>3</sup> (Respirable Dust)  
 IRL (2002): OEL (8h): 4 mg/m<sup>3</sup> (respirable)  
 ZA (2006): OEL (8h): 5 mg/m<sup>3</sup> (respirable particulate: PNOC)  
 Inhalable dust particles: US (ACGIH-2007): TLV-8h TWA: 10 mg/m<sup>3</sup>  
 UK: HSE EH40/2005:  
 Long-term exposure limit (8-hour TWA reference period): 10 mg/m<sup>3</sup> (Total Inhalable Dust)  
 IRL (2002): OEL (8h): 10 mg/m<sup>3</sup> (total inhalable)  
 ZA (2006): OEL (8h): 10 mg/m<sup>3</sup> (inhalable particulate: PNOC)

### EXPOSURE CONTROLS

**Occupational Exposure Controls** In case of risk of overexposure to dust, vapour or fumes (during product processing), it is recommended that a local exhaust system is placed above the conversion equipment (a fume hood) and the working area must be properly ventilated. Wear a suitable anti-dust respirator recommended filter type: P1

**Personal Protection**

**Respiratory Protection:**

**Skin and Body Protection:** Where exposure is likely, protective clothing must be worn including gloves

**Eye Protection:** Goggle/Spectacles

**Other Personal Protection:** Safety non-slip shoes in areas where spills or leaks can occur.

**Environmental Exposure Controls:** Unregulated

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## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

### GENERAL INFORMATION

**Appearance:** Pellets from a Ø 2 to 5 mm  
**Physical State at 20 °C:** Solid  
**Colour:** Translucent, white opaque  
**Odour:** Odourless

### IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Change in physical state at 1013 hPa

**Melting Range (°C)** 90 to 140  
**Flash Point (ASTM D 1929)(°C)** ± 340  
**Auto-Ignition Temperature (°C)** > 350  
**Explosion Limits (kg/m³):**  
**Lower** 0,015 (for polymer dust < 63 µm)  
**Min. Ignition Energy at 20 °C (mJ)** 63  
**Vapour Pressure at 20 °C (hPa)** None  
**Density, Mass at 20 °C (kg/m³)** 915 - 935 (ISO 1183)  
**Solubility in Water at 20 °C (mg/l)** Insoluble  
**PH Value (Concentrated Product)** Not applicable  
**Viscosity (mm²/s)** Not applicable  
**OTHER INFORMATION** No information available

## SECTION 10 STABILITY AND REACTIVITY

**Stability** Stable under normal operating conditions of storage, handling and use.  
**Hazardous reactions** Dust may form an explosive mixture with air, ignited by sparks or sources of ignition.  
**CONDITIONS TO AVOID** Avoid contact with strong oxidizing materials and fluorine avoid proximity or contact with flames or sparks it is recommended not to heat at a temperature higher than 320 °C  
**Advice to prevent explosion** Avoid dust accumulation by use of filters in the pneumatic transport equipment. Thoroughly ventilate the working place. All conductive materials must be electrically earthed. In case of pneumatic alimentation, feed the extruders by aspiration, use preferably nitrogen as carrier gas.

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## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**Ingestion:** Polyolefins are biologically inert. Because of its composition, the product should be considered as practically not harmful.

### LOCAL EFFECT

**Inhalation** Dust may cause irritation of respiratory system. If heated to more than 130°C, the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.

**Skin contact** Because of its composition, the product should be considered practically as not irritating. In contact with hot material, may cause severe thermal burns. Thermal decomposition products are produced at elevated temperatures and these may be irritating.

**Eye contact** Because of its composition, the product should be considered practically as not irritating fine dust may cause irritation to ocular mucous. Splashing of molten droplets causes ocular tissue burns. Thermal decomposition products are produced at elevated temperatures and these may be irritating.

**SPECIFIC EFFECTS** Polyolefins are biologically inert. No particular preoccupation for man (Genotoxicity, carcinogenicity, reproductive toxicity)

## SECTION 12 ECOLOGICAL INFORMATION

**Information on Ecological Effects:** Avoid losses to the environment whenever possible.

### MOBILITY

**Water/Air** Volatile organic compound (VOC) content of this product is < at 0.5 % weight there is a slow loss by evaporation

**Soil and Sediments** Because of its physico-chemical properties, the product has a low soil mobility

**Water** The product, in cases of accidental discharge, floats on the surface, is insoluble and its evaporation into air is practically nil

**PERSISTENCE AND DEGRADABILITY** Persistent in the environment  
this substance is slowly biodegradable  
Biodegradation  
BOD 5 (gO<sub>2</sub>/g)  
below the detection limit

**BIOACCUMULATIVE POTENTIAL** Potential bioaccumulation of the product in environment is very low

**ECOTOXICITY** Because of its structure, the product should not be dangerous for aquatic life

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste disposal** According to local regulations. authorized disposal as refuse for reprocessing do not dispose off by means of sinks, drains or into the immediate environment may be used as fuel in suitably designed installations. Incinerate with household refuse in a municipal solid waste incinerator plan.

**Industrial waste number EC** 07 02 13, 16 01 19, 17 02 03 & 20 01 39: plastics

**API (Association of Plastic Industry) Code** 4: LDPE: low density Polyethylene

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## SECTION 14 TRANSPORT INFORMATION

**Road (ADR)/Rail (RID):** Not restricted for transport.  
**UN Number:** Not applicable  
**Marine (IMO):** Not restricted for transport  
**Air transport (ICAO/IATA):** Not restricted for transport

## SECTION 15 REGULATORY INFORMATION

**Labeling and Classification EC:** Not classified according to EEC directives 67/548/EEC (dangerous substances) and 1999/45/EC (dangerous preparations).

**Germany**

**Wassergefährdungsklasse** NWG: Non-hazardous to waters

**Registration:** These registration entries are for polymers only. For additives, please refer to QATAR PETROCHEMICAL COMPANY who will provide the necessary certification the product is a polymer, following the European regulation, registration on the EINECS (European Inventory of Existing Commercial Chemical Substances) inventory is not required.  
Listed on the United States TSCA (Toxic Substances Control Act) inventory listed on the Canadian DSL (Domestic Substances List) inventory.  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory.  
Listed on the AICS (the Australian Inventory of Chemical Substances).  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on the Filipino PICCS (Philippine Inventory of Chemicals and Chemical Substances) inventory.  
Listed on the swiss (liste des toxiques IGS/ IGS Giftliste 2003-2004) inventory.  
Listed on the People's Republic of China register: CRCSEPA (Chemical Registration Center for Chinese State Environmental Protection Administration)

## SECTION 16 OTHER INFORMATION

**Training advice** The use of this product requires specific training. The user must receive all product information in order to handle the product safely (personal protection equipment and best practice standards)

**Recommended uses** Restricted to professional users

**Reason for Revision:** To bring to date

# END OF SDS

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