

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Superseded Date: 19/11/2019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: (C₂H₄)_x

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 (CO₂) 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 (CO₂) 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/m³
UK: HSE EH40/2005:
Long-term exposure limit (8-hour TWA reference period): 4 mg/m³ (Respirable Dust)
IRL (2002): OEL (8h): 4 mg/m³ (respirable)
ZA (2006): OEL (8h): 5 mg/m³ (respirable particulate: PNOC)
Inhalable dust particles: US (ACGIH-2007): TLV-8h TWA: 10 mg/m³
UK: HSE EH40/2005:
Long-term exposure limit (8-hour TWA reference period): 10 mg/m³ (Total Inhalable Dust)
IRL (2002): OEL (8h): 10 mg/m³ (total inhalable)
ZA (2006): OEL (8h): 10 mg/m³ (inhalable particulate: PNOC)

EXPOSURE CONTROLS

Occupational Exposure Controls Personal Protection

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

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 (gO₂/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