

Issue Date: 24/10/2000
Last Revision Date: 04/07/2023
Superseded Date: 02/07/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: PTP03

PAGE 1 OF 4

SECTION 1 PRODUCT IDENTIFICATION

Identification the Substance

Product Name: Livingstone Recyclable Plastic Transfer Pipette
Chemical Name: Polyethylene (polyethylene) homo-polymer
Chemical Family: Polyolefin
Chemical Abstract Service (CAS) Number: 9002 -88-4

SECTION 2 HAZARD IDENTIFICATION

Ethylene This material is stabilized

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Components of this product are not hazardous under OSHA Hazard Communication (29 CFR 1910.1200)

SECTION 4 FIRST AID MEASURES

Eye Contact: Flush eyes with water if irritation occurs
Skin Contact: If contact with molten product occurs, treat as thermal burn
Ingestion: Not ordinarily required
Inhalation: Not ordinarily required

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water fog, dry chemical or CO₂.
Special Protective Equipment for Fire Fighters: Material will not burn unless preheated.
Do not enter fire space without full bunker gear
(helmet with face shield, bunker coats, gloves and rubber boots) including a positive pressure NIOSH* approved self-contained breathing apparatus. Cool fire exposed containers with water.
Unusual Fire and Explosion Hazard: Treat as a solid that can burn.
Avoid accumulation and dispersion of dust to reduce explosion potential.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up: Shovel or sweep or use industrial vacuum cleaner. Avoid generating dust clouds. Put into containers for reclaiming or disposal as permitted by applicable national, state and local regulations. In the event of an uncontrolled release of this material , the user should determine the release is reportable under applicable laws and regulations.

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SAFETY DATA SHEET

Product Code: PTP03

PAGE 2 OF 4

SECTION 7 HANDLING AND STORAGE

7.1 Treat as solid that can burn

Avoid breathing dusts and process fumes. Avoid accumulation and dispersion of dust to reduce explosion potential. Adequate ventilation and/or engineering controls must be employed in high temperature processing to prevent exposure to potentially fly toxic/irritating fumes. Equipment must be earthed to avoid static electric charge.

7.2 Storage

Store away from oxidizing materials, in a cool, dry place with adequate ventilation and absence of direct sunlight

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	Not ordinarily required. (OSHA* has established transitional occupational exposure limits for the product and/or components for this product. Refer to 29 CFR 1910. 1000 for these transitional limits and requirements for meeting these limits).
Protective clothing	Additional Protective
Measures	Adequate ventilation and/ or engineering controls are required when product is heated in processing to prevent exposure to potentially toxic, irritating fumes.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Boiling Point	Not Applicable
Solubility in Water	Insoluble
Melting Point	100 - 115°C
Vapor Pressure	Not Applicable
Flash Point	Not Applicable
Vapor Density	Not Applicable
Relative Density	0.917 - 0.925
Odor	Negligible Odor
Percent Volatile by Volume	Nil
Appearance	Solid Translucent Granule
Auto Ignition Temperature	350°C (ASTM D1929)
Flammability	Flammable

SECTION 10 STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerization	Will not occur
Materials to avoid	Strong Oxidizing Agents
Conditions to avoid	Temperature above 250 °C

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Product Code: PTP03

PAGE 3 OF 4

Hazardous Decomposition Products

At processing

Temperature, some degree of thermal degradation will occur. Although highly dependant, on temperature and environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (methane and propane) to toxic/irritating gases such as carbon monoxide & dioxide, aldehydes and other organic vapors.

SECTION 11 TOXICOLOGICAL INFORMATION

The product is non-toxic by composition. However, It should be treated as nuisance particulates, avoiding breathing dust or any fumes that may be generated during its processing. A knowledge of available toxicology information and of the physical and chemical properties of this material suggests that over-exposure is unlikely to aggravate existing medical conditions.

SECTION 12 ECOLOGICAL INFORMATION

The material is not biodegradable. It can be recycled using suitable technology. It doesn't contain additive compounds or lead, cadmium and chromium. Disposal must be done in accordance with existing regulations. Land filling and incineration can be considered in most cases.

SECTION 13 DISPOSAL CONSIDERATIONS

All waste material should be packaged, labeled, transported and disposed or reclaimed in conformance with applicable laws & regulations and in conformance with good engineering practices. Reclaim when possible.

SECTION 14 TRANSPORT INFORMATION

Department of Transportation Classification;
Not hazardous by DOT* Regulations.

SECTION 15 REGULATORY INFORMATION

Occupational Exposure Limits: There are no established limits for this product; however, polyethylene dust should be treated as nuisance particulate. OSHA* Permissible Exposure Limit (PEL) is 15 mg/m³ total dust, and 5 mg/m³ respirable dust. ACGIH* Threshold Limit Value (TLV) is 10 mg/m³ total dust.

*These are American organizations:

OSHA	=	Occupational Safety and Health Administration
ACGIH	=	American Conference of Governmental Industrial Hygienists
NIOSH	=	National Institute of Occupational Safety and Health
DOT	=	Department of Transportation

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PAGE 4 OF 4

SECTION 16 OTHER INFORMATION

This data sheet is an addition to the technical data sheet in use and is not a replacement. The Information contained is true to our knowledge about the product and is provided sincerely. Moreover, the attention of the users is drawn to the risk possibility taken when a product is used for uses other than those for which it's intended.

Reason For Revision: To bring to date.

END OF SDS

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