

Issue Date: 04/02/2021  
Last Revision Date: 08/12/2023  
Superseded Date: 04/02/2021  
Version Number: 02

## SAFETY DATA SHEET

Product Code: PTP01-01P

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### SECTION 1 PRODUCT IDENTIFICATION

#### Identification the Substance

**Trade Name:** Lotrène  
**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

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

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Ethylene** This material is stabilized

### 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 CO<sub>2</sub>.  
**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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### 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

<b>Respiratory Protection:</b>	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).
<b>Protective clothing</b>	Additional Protective
<b>Measures</b>	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

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

### SECTION 10 STABILITY AND REACTIVITY

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

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### 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/m<sup>3</sup> total dust, and 5 mg/m<sup>3</sup> respirable dust. ACGIH\* Threshold Limit Value (TLV) is 10 mg/m<sup>3</sup> 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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### 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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