

Issue Date: 20/05/2014
Last Revision Date: 20/09/2023
Superseded Date: 18/07/2018
Version Number: 03

SAFETY DATA SHEET

Product Code: BRL50035

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SECTION 1 PRODUCT IDENTIFICATION

Identification of the Substance

Product Name Livingstone Bench
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 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 if 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 oxidising 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 or the product and/or components or this product. Refer to 29 CFR 1910. 1000 or these transitional limits and requirements or meeting these limits)

Protective clothing Protective Additional Protective	Protective clothing Protective 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

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Conditions to avoid

Temperature above 250 °C

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 (methan 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 genera led 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 biogradable. It can be recycled using suitable technology. It doesn't contain additive compounds of 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 (P L) 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

SECTION 16 OTHER INFORMATION

Reason for Revision: To bring to date.

END OF SDS

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