

Issue Date: 03/02/2021
Last Revision Date: 24/07/2023
Superseded Date: 03/02/2021
Version Number: 02

SAFETY DATA SHEET

Product Code: BCY10R-37

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SECTION 1 PRODUCT IDENTIFICATION

Product Name Livingstone Cytology Brushes
Chemical Name Polyamide (PA 66)
Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses Polymer
Recommended use Polymer, for industrial processing only

SECTION 2 HAZARD IDENTIFICATION

Label elements Globally Harmonized System, EU (GHS)
The product does not require a hazard warning label in accordance with GHS criteria.
According to Directive 67/548/EEC or 1999/45/EC
The product does not require a hazard warning label in accordance with EC Directives.
Classification of the substance or mixture
According to Regulation (EC) No 1272/2008 [CLP]
No need for classification according to GHS criteria for this product.
According to Directive 67/548/EEC or 1999/45/EC
Possible Hazards No specific dangers known, if the regulations/notes for storage and handling are considered.
Danger of burns while handling the hot product.
Other hazards
According to Regulation (EC) No 1272/2008 [CLP]
No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature	CAS Number
polyamide (PA 66)	32131-17-2

SECTION 4 FIRST AID MEASURES

Description of first aid measures
On skin contact Burns caused by molten material require hospital treatment.
Most important symptoms and effects, both acute and delayed
Symptoms No significant reaction of the human body to the product known.

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Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media water spray, foam, dry powder, carbon dioxide

Special hazards arising from the substance or mixture At temperatures of > 300 °C can be emitted: carbon monoxide, hydrogen cyanide; hydrocyanic acid
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Advice for fire-fighters

Further information Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6 ACCIDENTAL RELEASE MEASURES

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures No special precautions necessary.

Environmental precautions No special precautions necessary.

Methods and material for containment and cleaning up

For small amounts Pick up with suitable appliance and dispose of.

For large amounts Pick up with suitable appliance and dispose of.

Reference to other sections Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Protection against fire and explosion Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers Stainless steel 1.4301 (V2), Stainless steel 1.4401, aluminum, High density polyethylene (HDPE)

Storage stability Protect against moisture.

Specific end use(s) For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters None

Exposure controls

Personal protective equipment

Eye protection Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures No special precautions necessary.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	granules	
Colour	colourless	
Odour	odourless	
Odour threshold	not applicable	
pH value	not soluble	
Melting temperature onset of boiling	approx. 260 °C	(DIN 53765)
Flash point	not applicable	
Evaporation rate	not applicable	
Flammability	not applicable, The product is a non-volatile solid. not highly flammable	
Lower explosion limit	not applicable	
Upper explosion limit	not applicable	
Ignition temperature	> 400 °C	(ASTM D1929)
Density	1.12 - 1.15 g/cm ³	(EN ISO 1183-1)
Relative density	(20 °C)	
Relative vapour density (air)	No data available.	
Solubility in water	not applicable, The product is a non-volatile solid. insoluble	
Partitioning coefficient n-octanol/water (log K _{ow})	not applicable	
Self ignition	not self-igniting	
Thermal decomposition	> 300 °C	
Explosion hazard	not explosive	
Fire promoting properties	not fire-propagating	
Other information		
Bulk density	700 kg/m ³	

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SECTION 10 STABILITY AND REACTIVITY

Reactivity	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	Temperature: > 300 °C
Incompatible materials	
Substances to avoid	No substances known that should be avoided.
Hazardous decomposition products	carbon monoxide, hydrogen cyanide; hydrocyanic acid

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Assessment of acute toxicity: Contact with molten product may cause thermal burns
Irritation	Assessment of irritating effects: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. Experimental/calculated data: Serious eye damage/irritation: May cause mechanical irritation.
Respiratory/Skin sensitization	Assessment of sensitization: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Germ cell mutagenicity	Assessment of mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Carcinogenicity	Assessment of carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Reproductive toxicity	Assessment of reproduction toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Specific target organ toxicity (single exposure)	Assessment of STOT single: not applicable
Repeated dose toxicity and Specific target organ toxicity (repeated exposure)	Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Other relevant toxicity information	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.
Persistence and degradability	Assessment biodegradation and elimination (H ₂ O): Experience shows this product to be inert and non-degradable.
Bioaccumulative potential	Bioaccumulation potential: The product will not be readily bioavailable due to its consistency and insolubility in water.
Mobility in soil (and other compartments if available)	Assessment transport between environmental compartments: Study scientifically not justified.
Results of PBT and vPvB assessment	The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).
Additional information	Add. remarks environment. fate & pathway: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods	Check for possible recycling. Incinerate in suitable incineration plant, observing local authority regulations. Packs must be completely emptied. Completely emptied packagings can be given for recycling.
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SECTION 14 TRANSPORT INFORMATION

Land transport	
ADR	Not classified as a dangerous good under transport regulations
RID	Not classified as a dangerous good under transport regulations
Inland waterway transport	
ADN	Not classified as a dangerous good under transport regulations
Sea transport	
IMDG	Not classified as a dangerous good under transport regulations
Air transport	
IATA/ICAO	Not classified as a dangerous good under transport regulations

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical Safety Assessment Chemical Safety Assessment not required

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SECTION 16 OTHER INFORMATION

Reason for Revision: To bring to date

END OF SDS

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