

Issue Date: 08/12/2020
Last Revision Date: 17/11/2023
Superseded Date: 08/12/2020
Version Number: 02

SAFETY DATA SHEET

Product Code: LIVSKMRN

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SECTION 1 PRODUCT IDENTIFICATION

Product Name Livingstone Surgical Skin Marker
Chemical Name N/A

SECTION 2 HAZARD IDENTIFICATION

Product will not result in exposure to a hazardous chemical under normal conditions of one time use only by professionals as a pre-operative surgical skin marker.

Skin No information is available on systemic absorption after topical application.
No evidence of adverse skin effects from available information on ethylene glycol.

Carcinogenicity Crystal violet has been reported to show mutagenic effects in bacteria.
Ethylene glycol is considered an animal teratogen (experimental).

Signs and Symptoms of Exposure Ataxia, nausea, vomiting, diarrhea and headache.

Medical conditions generally aggravated by exposure Individuals known to be hypersensitive to crystal violet.
Discolouration of skin may occur if applied to granulation tissue.

Irritation Data Non irritant

Toxicity Data Non toxic

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Product contains a chemical mixture (ink) known as crystal (gentian) violet (CAS No.: 548-62-9) in a water based dispersion agent which includes a proprietary amount of ethylene glycol (I-2, ethanediol CAS No.: 1 07-27-1)

SECTION 4 FIRST AID MEASURES

In case of contact by mouth or ingestion and patient is conscious, wash out mouth with water. Call a physician.

SECTION 5 FIRE FIGHTING MEASURES

In a fire situation, the package will burn. An individual marker has low flammability comparable to whole and will burn slowly when exposed to high temperature open flame.

Extinguishing Media Carbon dioxide, dry chemical powder and water spray.

Fire Fighting Procedure Wear self contained breathing apparatus and protective clothing for skin and eyes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case product is damaged and leaking: Collect leaking and damaged markers in a separate container for disposal.

Waste disposal method: Dispose of markers in accordance with current statutory regional and federal regulations

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SECTION 7 HANDLING AND STORAGE

Store product in a cool place.
Keep individual markers capped when not in actual use.
Do not get marker ink in eyes, on clothing or on food.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection	As required in professional use.
Other Protective Clothing or Equipment	As required in professional use.
Hygiene Practices	Use rubbing alcohol (70% isopropanol), soap and water to remove any ink contamination from skin. Use aqueous detergent to remove stain from a non-porous surface.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Boiling Point (°C)	105 - 108
Solubility in Water	100%
Appearance and Odour	Violet liquid, odourless
Specific Gravity	1.05

Package form: Basic sterile package is a paper box containing 10 markers. Each marker is constructed from various thermoplastic fitments consisting of a barrel, ink-filled reservoir, end plug, writing nib assembly, and protective cap. Each marker is accompanied by a paper ruler and sealed in peel-package envelope. A master (shipping) pack contains six intermediate boxes each with ten boxes of 10's. Non-sterile product is bulk packaged in a single plastic bag of 100's per box.

SECTION 10 STABILITY AND REACTIVITY

Stability	Product is stable. Ink is sensitive to light and strong oxidising agents.
Hazardous Products of Combustion	Carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, oxides of propylene and ethylene, perhaps other toxic vapours

SECTION 11 TOXICOLOGICAL INFORMATION

No information available.

SECTION 12 ECOLOGICAL INFORMATION

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

No information available.

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SECTION 14 TRANSPORT INFORMATION

No information available.

SECTION 15 REGULATORY INFORMATION

No information available.

SECTION 16 OTHER INFORMATION

Reason of Revision To bring to date

END OF SDS