

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 1 OF 8

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Livingstone Hypodermic Needle

Other Means of Identification: No Available Information

Recommended Uses and Restriction on Use:

- Mainly used for liquid injection or extraction
- Used for syringe
- This product is only suitable for subcutaneous or intramuscular injection and intravenous blood tests, used by medical staff, prohibited for other purposes and non-medical staff

SECTION 2 HAZARD IDENTIFICATION

Hazard Classification

Acute Tox. 5;H303	May be harmful if swallowed. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Resp. Sens. 1;H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2;H351	Suspected of causing cancer.
STOT RE 1;H372	Causes damage to organs through prolonged or repeated exposure. Specific Target Organs: (lungs)

Label Elements and Precautionary Statements



Exclamation Mark



Health Hazard

H303 May be harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

[Prevention]:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves / eye protection / face protection.

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 2 OF 8

P280 Wear protective gloves / eye protection / face protection.

P285 In case of inadequate ventilation wear respiratory protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P314 Get Medical advice / attention if you feel unwell.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P341 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Made by Stainless Steel, Polypropylene

Ingredient/Chemical Designations	GHS Classification	Notes
Iron CAS Number: 0007439-89-6	Not Classified	[1]
Chromium compounds (as Cr (III)) CAS Number: 0007440-47-3	Skin Sens. 1;H317 Resp. Sens. 1;H334 Eye Irrit. 2;H319 Aquatic Chronic 4;H413	[1] [2]
Nickel CAS Number: 0007440-02-0	Carc. 2;H351 STOT RE 1;H372 Skin Sens. 1;H317 Aquatic Chronic 3;H412	[1] [2]
Manganese compounds (as Mn) CAS Number: 0007439-96-5	Not Classified	[1] [2]
Copper CAS Number: 0007440-50-8	Not Classified	[1] [2]
Molybdenum CAS Number: 0007439-98-7	Not Classified	[1] [2]
Aluminum (Al) CAS Number: 0007429-90-5	Flam. Sol. 1;H228 WaterReact. 2;H261	[1] [2]
Silicon CAS Number: 0007440-21-3	Not Classified	[1] [2]

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
 Last Revision Date: 09/10/2023
 Superseded Date: 01/08/2018
 Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 3 OF 8

Ingredient/Chemical Designations	GHS Classification	Notes
Calcium CAS Number: 0007440-70-2	WaterReact. 2;H261	[1]
Cobalt compounds (as Co) CAS Number: 0007440-48-4	Resp. Sens. 1;H334 Skin Sens. 1;H317 Aquatic Chronic 4;H413	[1] [2]
Polypropylene CAS Number: 9003-07-0	Not Classified	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

SECTION 4 FIRST AID MEASURES

Symptoms and First Aid Measures

General:	In all cases of doubt, or when symptoms persist, seek attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Skin Contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Eye Contact:	Immediately flush the eyes with large amounts of water for at least 15 minutes, alternately lifting the upper and lower eyelids. After 5 minutes, if appropriate, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Call a physician at once.
Ingestion:	Do not induce vomiting. Get medical attention.
Medical Attention and Special Treatment:	N/A

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing media that are appropriate for surrounding fire.
Physicochemical Hazards:	No hazardous decomposition data available. Avoid breathing dust / fume / gas / mist / vapors / spray.
Special Protective Equipment and Precautions for Fire Fighters:	Use standard fire fighting procedures including the use of self-contained breathing apparatus, for fires involving plastic. Non flammable at low temperatures, but will burn at high temperatures.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Put on appropriate personal protective equipment (see section 8)

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 4 OF 8

Environmental Precautions:

Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.
Promptly remove soiled clothing and wash thoroughly before reuse.

Methods and Materials for Containment and Cleaning Up:

No special procedures needed.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Minimize activities which may generate dusts, mists or fumes.
Keep areas well ventilated. Use suitable equipment to move materials.

Conditions for Safe Storage and Incompatibilities

Store in a secured area away from temperature extremes.
Follow manufacturer's package insert.
Handle containers carefully to prevent damage and spillage.
Incompatible materials: Strong Acids (such as Sulfuric, Hydrochloric, Nitric).

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Standards:

Cas No.	Ingredient	Source	Value
0007429-90-5	Aluminum (Al)	OSHA	TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		ACGIH	TWA: 1.0 mg/m ³ Revised 2008,
		NIOSH	TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		Supplier	No Established Limit
0007439-89-6	Iron	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007439-96-5	Manganese compounds (as Mn)	OSHA	C 5 mg/m ³ *See specific listings for specific compounds.
		ACGIH	TWA: 0.2 mg/m ³ R
		NIOSH	TWA 1 mg/m ³ ST 3 mg/m ³ *See specific listings for specific compounds.
		Supplier	No Established Limit
0007439-98-7	Molybdenum	OSHA	TWA 15 mg/m ³ [*Note: The PEL also applies to other insoluble molybdenum compounds (as Mo).]
		ACGIH	TWA: 0.5 mg/m ³ (soluble) TWA: 3 mg/m ³ (insoluble respriable) 10mg/m ³ (insoluble inhalable)
		NIOSH	No Established RELs
		Supplier	No Established Limit

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 5 OF 8

0007440-02-0	Nickel	OSHA	TWA 1 mg/m ³ [*Note: The PEL does not apply to Nickel carbonyl.]
		ACGIH	Insoluble TWA: 0.05 mg/m ³ A1, 1, (I) Soluble TWA: 0.05 mg/m ³ A1, 1, 2B, (I)
		NIOSH	Ca TWA 0.015 mg/m ³ [*Note: The REL does not apply to Nickel carbonyl.]
		Supplier	No Established Limit
0007440-21-3	Silicon	OSHA	TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		ACGIH	No Established Limit
		NIOSH	TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		Supplier	No Established Limit
0007440-47-3	Chromium compounds (as Cr (III))	OSHA	TWA 1 mg/m ³ [*Note: The PEL also applies to insoluble chromium salts.]
		ACGIH	TWA: 0.5 mg/m ³ (III)
		NIOSH	TWA 0.5 mg/m ³
		Supplier	No Established Limit
0007440-48-4	Cobalt compounds (as Co)	OSHA	TWA 0.1 mg/m ³
		ACGIH	TWA: 0.02 mg/m ³ 2B
		NIOSH	TWA 0.05 mg/m ³
		Supplier	No Established Limit
0007440-50-8	Copper	OSHA	TWA 1 mg/m ³ [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	TWA: 0.2 mg/m ³ (fume) 1 mg/m ³ (dusts and mists)
		NIOSH	TWA 1 mg/m ³ [*Note: The REL also applies to other copper compounds (as Cu) except Copper fume.]
		Supplier	No Established Limit
0007440-70-2	Calcium	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m³ (50 mppcf*) TWA, ACGIH 10 mg/m³.

Biological Monitoring: N/A

Personal Protective Equipment: N/A

Work Hygienic Practices: Standard hygienic practices are needed to use this product safely.

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
 Last Revision Date: 09/10/2023
 Superseded Date: 01/08/2018
 Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 6 OF 8

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Stainless Steel Needles
Odour:	Tasteless, Non-Toxic, Non-Allergenic
pH:	Not Measured
Melting Point/Freezing Point (°C):	Not Measured
Boiling Point/Boiling Range (°C):	Not Measured
Flash Point (°C):	Not Measured
Evaporation Rate:	Not Measured
Flammability:	Not Measured
Upper/Lower Flammability or Explosive Limits:	Not Measured
Vapour Pressure:	Not Measured
Vapour Density (g/ml):	Not Measured
Solubility:	Insoluble
Partition Coefficient (n-octanol/water):	Not Measured
Auto-ignition Temperature (°C):	Not Measured
Decomposition Temperature (°C):	Not Measured

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous Polymerization will not occur
Conditions to Avoid:	N/A
Incompatible Materials:	None known
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide may form when subjected to extreme heat

SECTION 11 TOXICOLOGICAL INFORMATION

No adverse health effects are known or anticipated from contact with these products

SECTION 12 ECOLOGICAL INFORMATION

Toxicity: Toxic to aquatic life
 Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Iron - (7439-89-6)	Not Available	Not Available	Not Available

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 7 OF 8

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Iron - (7439-89-6)	Not Available	Not Available	Not Available
Chromium compounds (as Cr (III)) - (7440-47-3)	77.50, Pimephales promelas	1.20, Daphnia magna	580.00 (72 hr), Chlorella pyrenoidosa
Nickel - (7440-02-0)	Not Available	Not Available	Not Available
Manganese compounds (as Mn) - (7439-96-5)	40.00, Daphnia magna	Not Available	Not Available
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata
Molybdenum - (7439-98-7)	Not Available	Not Available	Not Available
Aluminum (Al) - (7429-90-5)	Not Available	Not Available	Not Available
Silicon - (7440-21-3)	Not Available	Not Available	Not Available
Calcium - (7440-70-2)	Not Available	Not Available	Not Available
Cobalt compounds (as Co) - (7440-48-4)	100.00, Danio rerio	Not Available	0.05 (72 hr), Pseudokirchneriella subcapitata

Persistence and degradability: There is no data available on the preparation itself.
Bioaccumulative potential: Not Measured
Mobility in soil: No data available.
Results of PBT and vPvB assessment: This product contains no PBT/vPvB chemicals.
Other adverse effects: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods:

As a specialized medical waste
This product is disposable products. Prohibited to use, destroyed after use. This product is sterilized by ethylene oxide and must be used within the time of failure. Single package damage, sheath off, prohibited use. And for scrapping contaminated syringes must be disposed of according to the nature of the contaminate. Check current local state and federal regulations for proper disposal methods

SECTION 14 TRANSPORT INFORMATION

UN Number: N/A
Proper Shipping /Technical Name: N/A
Transport Hazard Class(es): N/A
Packing Group: N/A
Environmental Hazards for Transport Purposes: N/A
Special Precautions for User: N/A
Additional Information: N/A
Hazchem/Emergency Action Code: N/A

Information provided on this document is presented in good faith and believed to be correct based on the best data currently available, Livingstone International makes no representations or warranties, expressed or implied as to the completeness or accuracy of the information. In no event will Livingstone International be liable for any errors or omissions in the information provided herein. Information is supplied upon the condition that any persons or corporate receiving same will make independent determination as to its suitability for their own purposes prior to use, and in no event will Livingstone International be responsible for damages of any nature whatsoever resulting from the use of product or reliance upon information provided. Information is provided on an "as is" basis, no representation or warranties, either expressed or implied of fitness for a particular purpose or of any other nature are made herein with respect to information of the product.

Issue Date: 29/12/1999
Last Revision Date: 09/10/2023
Superseded Date: 01/08/2018
Version Number: 06

SAFETY DATA SHEET

Product Code: DN18GX1.0LV

PAGE 8 OF 8

SECTION 15 REGULATORY INFORMATION

Safety, Health and Environmental
Regulation: N/A

SECTION 16 OTHER INFORMATION

Reason for revision: To bring to date

END OF SDS