

	SAFETY DATA SHEET	
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Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2015/830.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name: Bladder EpiCheck® DNA Extraction Kit
Part Number: NX899090-01C
CAS Number: Not applicable
EC Number: Not applicable
REACH No: Not available

1.2 Relevant Identified Uses of The Substance or Mixture and Uses Advised Against:

Relevant identified uses: Laboratory chemical for DNA extraction from cell pellet of urine samples for cancer detection. For professional users only
Uses advised against: Uses other than as mentioned above

1.3 Details of The Supplier of The Safety Data Sheet

Company Name: Nucleix
Company Address: 3 Pekeris Street,
7670203, Rehovot,
Israel
Company Tel: +972-8-9161616
Company contact: Customer Success Department

E-mail address of person responsible for this SDS: support@nucleix.com

1.4 Emergency telephone number

Emergency telephone number
(Including hours of operation): +972-8-9161616 (8am – 5pm Israel time)

Poison Centre Information: See Section 16 for the full EU list of Poison Centres.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of The Substance or Mixture

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

The Bladder EpiCheck® DNA Extraction Kit consists of several reagents and consumables for DNA extraction from cell pellet of urine samples.

The kit consists of the following reagents: Buffer NL (2 x 12ml), Buffer NW1 (19ml), Buffer NW2 (13ml), Buffer NE (15ml), Protease (powder) and Protease solvent (1.2ml). These are packaged in individual containers inside the same box.

For the purpose of this SDS, the overall classification is shown below. The classifications of each of the solutions can be found in section 2.2 under their separate subheadings.

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Product name	GHS Classification
Bladder EpiCheck® DNA extraction kit (as the whole kit)	Acute Toxicity (Oral), Category 4 Skin irritation, Category 2 Serious eye irritation, Category 2 Acute toxicity (Inhalation), Category 4

2.2 Label Elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Bladder EpiCheck® DNA Extraction Kit (as the whole kit)

Hazard pictograms:



Signal word:

WARNING

Hazard statements:

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 – Harmful if inhaled

Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/ protective clothing/eye protection/face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTRE/doctor if you feel unwell.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

Supplemental Hazard Statements.

EUH208 Contains Maleic acid. May produce an allergic reaction.

Individual Reagents:

Buffer NL:

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

Acute Toxicity (Oral), Category 4
Skin irritation, Category 2
Skin sensitization, Category 1
Eye irritation, Category 2
Acute Toxicity (Inhalation), Category 4

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Hazard pictograms:



Signal word:

WARNING

Hazard statements:

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled

Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/ vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTRE/doctor if you feel unwell.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention

Buffer NW1:

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

Acute toxicity (Oral), Category 4
Skin irritation, Category 2
Eye irritation, Category 2
Acute Toxicity (Inhalation), Category 4

Hazard pictograms:



Signal word:

WARNING

Hazard statements:

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 – Harmful if inhaled

Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, protective clothing/eye protection/face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTRE/doctor if you feel unwell.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

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Buffer NW2:

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)
Not a hazardous substance or mixture.

Hazard pictograms: None required

Signal word: None required

Hazard statements: Not a hazardous substance or mixture.

Precautionary Statements: None required

Buffer NE:

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)
Not a hazardous substance or mixture.

Hazard pictograms: None required

Signal word: None required

Hazard statements: Not a hazardous substance or mixture.

Precautionary Statements: None required

Protease (lyophilized):

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)
Serious eye damage, Category 1
Respiratory sensitization, Category 1.
Hazardous to the aquatic environment – long-term (chronic) aquatic hazard, Category 3

Hazard pictograms:



Signal word: DANGER

Hazard statements: H318 - Causes serious eye damage.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor

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Protease Solvent:

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)
Not a hazardous substance or mixture.

Hazard pictograms: None required

Signal word: None required

Hazard statements: Not a hazardous substance or mixture.

Precautionary Statements: None required

2.3 Other Hazards

This substance/mixture contains no components considered to be an endocrine-disrupting substance, persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

3.2 Mixtures:

Buffer NL:

Product/ Ingredient Name	Identifiers	%	Regulation (EC) No 1272/2008	Nano Material Form	M Factor	SCL	Acute Toxicity Estimate
Guanidine hydrochloride	CAS No 50-01-1 EC No 200-002-3 REACH No 01- 2119977063 -35-XXXX	≥ 30 - < 50	Acute tox 4 (Oral), H302 Skin irrit 2, H315 Eye irrit 2 H319 Acute tox 4 (Inhalation), H332	No	n/a	n/a	n/a
Maleic acid	CAS No 110-16-7 EC No 203-742-5 REACH No 01- 2119488705 -25-XXXX	≥ 0.1 - < 1	Acute tox 4 (Oral), H302 Skin corr 1B H314 Eye dam 1 H318 Skin sens 1 H317 STOT SE 3 H335	No	n/a	Skin Sens. 1; H317: C ≥ 0.1 %	n/a

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Buffer NW1:

Product/ Ingredient name	Identifiers	%	Regulation (EC) No 1272/2008	Nano material form	M Factor	SCL	Acute Toxicity Estimate
Guanidine hydrochloride	CAS No 50-01-1 EC No 200-002-3 REACH No 01- 2119977063 -35-XXXX	≥ 50 – 75%	Acute tox 4 (Oral), H302 Skin irrit 2, H315 Eye irrit 2 H319 Acute tox 4 (Inhalation), H332	No	n/a	n/a	n/a

Buffer NW2:

There are no components above the threshold for classification as hazardous that require reporting in this section

Buffer NE:

There are no components above the threshold for classification as hazardous that require reporting in this section

Protease (lyophilized):

Product/ Ingredient Name	Identifiers	%	Regulation (EC) No 1272/2008	Nano Material Form	M Factor	SCL	Acute Toxicity Estimate
Subtilisin	CAS No 9014-01-1 EC No 232-752-2 REACH No 01- 2119480434 -38-XXXX	≥ 1 - < 10	Acute tox 4 H302 Skin irrit 2 H315 Eye dam 1 H318 Resp sens 1. H334 STOT SE 3 H335 Aquatic acute 1 H400 Aquatic chronic 2 H411	No	n/a	n/a	n/a

Protease Solvent:

There are no components above the threshold for classification as hazardous that require reporting in this section

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Nanoforms Present in Product:

None known

Occupational exposure limits, if available, are listed in section 8.

See section 16 for the full text of the EUH, H and P phrases declared above.

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SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye contact: In case of eye contact, remove contact lenses and rinse immediately with plenty of water, including under the eyelids, for at least 15 mins. Get medical attention if symptoms develop.

Skin contact: Wash with plenty of water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may administer oxygen. Keep affected person warm and at rest. Obtain medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Harmful if swallowed or if inhaled. Causes skin irritation. Causes serious eye irritation.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If any symptoms are observed, contact a physician and give them this SDS sheet.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use direct stream of water.

5.2 Special Hazards Arising From The Substance or Mixture

In the event of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.

Hazardous combustion products:

Decomposition products may include the following materials: Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas.

5.3 Advice for Firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate personal protective equipment.

For emergency responders

Avoid breathing vapours, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

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6.2 Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers . Inform the relevant authorities if the product has entered the environment, including waterways, soil or air. Materials can enter waterways through drainage systems.

6.3 Methods and Materials for Containment and Cleaning Up

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect material in closed containers. Dispose of waste material using a licensed waste disposal contractor.

6.4 Reference to Other Sections

See Section 1 for emergency contact information.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8).
See Sections 2 and 7 for additional information on hazards and precautionary measures.

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Keep product in a dry, cool place. Keep away from incompatible materials (see Section 10) and food / feedstuffs. Protect container(s) against physical damage, heat and moisture. Do not allow material to contaminate ground water system. Prevent product from entering drains.

7.3 Specific End Use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limit values:

Ingredient name	CAS Number	Occupational exposure limits		Source
Guanidine hydrochloride	50-01-1	TWA	None known	Europe.Occupational Exposure Limit Values
		STEL	None known	
Maleic acid	110-16-7	TWA	None known	Europe.Occupational Exposure Limit Values
		STEL	None known	
Subtilisin (Proteolytic enzymes)	9014-01-1	TWA	0.00006 mg/m ³ (Belgium, Denmark, Ireland) 0.00004 (United Kingdom) 1 glycine unit/m ³ (Sweden)	Europe.Occupational Exposure Limit Values
		Ceiling Values	0.00006 mg/m ³ (Denmark, Ireland, Norway, Spain, Switzerland) 3 glycine unit/m ³ (Sweden)	

Monitoring Procedures: Use methods described in European Standards.

Derived No Effect Level (DNEL):

Guanidine Hydrochloride

Application Area	Exposure Routes	Health Effect	Value
Workers	Inhalation	Long-term systemic effects	3.5 mg/m ³
Workers	Inhalation	Short-term systemic effects	10.5 mg/m ³
Workers	Dermal	Long-term systemic effects	1 mg/kg bw/day
General population	Inhalation	Long-term systemic effects	0.87 mg/m ³
General population	Dermal	Long-term systemic effects	0.5 mg/kg bw/day
General population	Oral	Long-term systemic effects	0.5 mg/kg bw/day

Maleic Acid

Application Area	Exposure Routes	Health Effect	Value
Workers	Inhalation	Long-term systemic effects	3 mg/m ³
Workers	Inhalation	Short-term systemic effects	3 mg/m ³
Workers	Inhalation	Long-term local effects	3 mg/m ³
Workers	Inhalation	Short-term local effects	3 mg/m ³

Subtilisin

Application Area	Exposure Routes	Health Effect	Value
Workers	Inhalation	Long-term local effects	60 ng/m ³
General population	Inhalation	Long-term local effects	15 ng/m ³
General population	Oral	Long-term systemic effects	2.86 mg/kg bw/day

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Predicted No Effect Concentration (PNEC):

Guanidine hydrochloride

No hazard identified

Maleic Acid

Compartment	Value
Fresh water	0.1 mg/L
Marine water	0.01 mg/L
Sewage treatment plant	44.6 mg/L
Fresh water sediment	0.334 mg/kg sediment dw
Marine sediment	0.033 mg/kg sediment dw
Soil	0.042 mg/kg soil dw

Subtilisin

Compartment	Value
Fresh water	1.7 µg/L
Marine water	0.17 µg/L
Sewage treatment plant	65 000 µg/L
Fresh water sediment	no exposure of sediment expected
Marine sediment	no exposure of sediment expected
Soil	568 µg/kg soil dw

8.2 Exposure Controls

Appropriate Engineering Measures

Use material in well-ventilated area only. If exposure limits have not been established, maintain airborne levels to an acceptable level . Use appropriate personal protective equipment and clothing to avoid skin contact.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye and face protection:

Wear safety glasses. Wear face-shield and protective suit for abnormal processing problems. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Use footwear protecting against chemicals.

Hand protection:

Use impervious gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Other skin protection:

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Respiratory protection:

Under normal working conditions, no respiratory protection is needed. Local exhaust or general ventilation adequate to maintain exposures below appropriate exposure limits. In the case of vapour formation use a respirator with an approved filter. Only use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Thermal Hazards:

None known

Environmental Exposure Controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid / Solid
Colour:	No data available
Odour & Odour threshold:	Characteristic
Melting point/Freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not expected to be flammable
Lower and upper explosion limit:	
Lower (%):	Not determined
Upper (%):	Not determined
Flash point:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	4.5 -9
Kinematic viscosity:	Not determined
Solubility:	Soluble (Protease solvent)
Partition coefficient	
n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	1 - 1.168 g/cm ³
Relative vapour density:	Not determined
Decomposition temperature:	Not determined
Particle characteristics:	Not applicable

9.2 Other Information:

Information with Regard to Physical Hazard Classes:	None known
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Other Safety Characteristics:	None known
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not expected to be reactive.

10.2 Chemical Stability

Stable under normal ambient and anticipated conditions of use.

10.3 Possibility of Hazardous Reactions

Hazardous reactions not anticipated under normal temperature and pressures.

10.4 Conditions to Avoid

No data available.

10.5 Incompatible Materials

Avoid contact with strong oxidizing agents, acidic or alkaline products

10.6 Hazardous Decomposition Products:

No decomposition if stored and applied as directed.

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute toxicity: Harmful if swallowed or if inhaled.

Product/ingredient name	Test	Species	Dose
Guanidine hydrochloride	LD ₅₀ Oral LD ₅₀ Dermal LC ₅₀ Inhalation	Rat Rabbit Rat	907.1 mg/kg > 2000 mg/kg 35.319 mg/L (4h)
Maleic acid	LD ₅₀ Oral LD ₅₀ Dermal LC ₅₀ Inhalation	Rat Rabbit Rat	2870 mg/kg 398-1000 mg/kg > 0.72 mg/l (1h)
Subtilisin	LD ₅₀ Oral LD ₅₀ Dermal LC ₅₀ Inhalation	Rat Rabbit Rat	1728 mg/kg None known None known

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: One of the components of this product may cause allergy or asthma symptoms or breathing difficulties if inhaled (subtilisin)
One of the components of this product may cause an allergic skin reaction (Maleic acid)

Germ cell mutagenicity: Not expected to cause germ cell mutagenicity.

Carcinogenicity: Not expected to be a carcinogen.

Reproductive toxicity: Not expected to cause reproductive toxicity.

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STOT - Single exposure: Not expected to cause specific target organ toxicity from a single exposure.

STOT - Repeat exposure: Not expected to cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not expected to be an aspiration hazard.

11.2 Information on Other Hazards:

Endocrine disrupting properties: None of the components have endocrine disrupting properties

Information on other hazards: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Harmful to aquatic life.

Substance name	Toxicity to fish / other aquatic invertebrates
Guanidine hydrochloride	LC50 - Leuciscus idus - 1,758 mg/l - 48h EC50 - Daphnia magna – 70.2 mg/l - 48 h EC50 - Desmodesmus subspicatus – 11.8 mg/l -72 h
Maleic acid	LC50 - Leuciscus idus - 106 mg/l - 48 h EC50 - Daphnia magna – 42.81 mg/l - 48 h EC50 - Freshwater Algae – 74.32 mg/l -72 h
Subtilisin	LC50 - Oncorhynchus mykiss- 15.6 mg/l - 96 h EC50 - Daphnia magna – 0.327 mg/l - 48 h EC50 - Desmodesmus subspicatus – > 1509 mg/l -72 h

12.2 Persistence and Degradability:

Not established.

12.3 Bioaccumulative Potential:

Partition coefficient: n- octanol/water - log Pow: ca. -1.7 (20 °C) (guanidine hydrochloride)

12.4 Mobility in Soil:

Not established.

12.5 Results of PBT and vPvB Assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine Disrupting Properties

None known.

12.7 Other Adverse Effects:

Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Product

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated Packaging

Contaminated packaging may contain traces of the product. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

International Transport Regulations

14.1 UN Number:

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.2 Proper Shipping Name:

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport Hazard Class(es)

ADR/RID: na

IMDG: na

IATA: na

14.4 Packing Group

ADR/RID: na

IMDG: na

IATA: na

14.5 Environmental Hazard

Marine Pollutant: No

14.6 Special Precautions for User

No data available

14.7 Transport to Bulk According to Annex II of MARPOL and The IBC Code

No data available

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Section 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for The Substance or Mixture

This safety datasheet complies with the requirements of:
EU Commission Regulation (EU) 2020/878 (REACH)
EU Regulation (EC) No 1272/2008 (CLP)
All ingredients are listed on the European Union chemical inventory.

15.2 Chemical Safety Assessment

For this product, a chemical safety assessment was not carried out.

Section 16: OTHER INFORMATION

Indications of Change: New document.

Full List of Poison Centres for Section 1.4

COUNTRY	CONTACT DETAILS
Austria	Vergiftungsinformationszentrale (VIZ) Notruf 0–24 Uhr: +43 1 406 43 43 Bürozeiten: Montag bis Freitag, 8 bis 16 Uhr, Tel.: +43 1 406 68 98 Euro-Notruf: 112 Rettung: 144 Ärztefunkdienst: 141
Belgium	Federal Public Service (FPS) Health, Food Chain Safety and Environment Place Victor Horta 40/10, 1060 Brussels Email BPR: info.biocides (at) environment.belgium.be FPS Economy, Rue du Progrès, 50, B-1210 Brussels Telephone: +32 (0) 800 120 33 Fax: +32 (0) 2 277 53 04 Email: reachinfo (at) economie.fgov.be
Bulgaria	Национален токсикологичен информационен център Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" Телефон за спешни случаи / факс: +359 2 9154 233 E-mail: poison_centre@mail.orbitel.bg http://www.pirogov.bg
Croatia	Ksaverska cesta 2, 10000 Zagreb T 01 2348 342
Cyprus	ΔΔΑ 1401 (ώρες λειτουργίας 24 ώρες/24ωρο, 7 ημέρες την εβδομάδα).
Czech Republic	Toxikologické informační středisko Na Bojišti 1 120 00 Praha 2 Telefon: +420 224 919 293, +420 224 915 402 Web: www.tis-cz.cz
Denmark	Bispebjerg hospital bispebjerg bakke 23e, opgang 20 c 2400 kbh nv Telefon: 8212 1212 e-mail: giftlinjen@regionh.dk
Estonia	Poison information telephone number (Mürgistusteabekeskuse number) is nationally 16662, calling from abroad (+372) 7943 794 Hotline 16662 of the Poisoning Information Centre is active 24/7. National poison information centre service in Estonia is accessible at www.16662.ee
Finland	Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977
France	numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59 Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.

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Germany	<p>Berlin - Giftnotruf der Charité Universitätsmedizin Berlin CBF, Haus VIII (Wirtschaftgebäude), UG Hindenburgdamm 30, 12203 Berlin Tel. 030 - 192 40 (Notruf) Fax 030 - 450 569 901 mail@giftnotruf.de https://giftnotruf.charite.de</p>
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Greece	<p><i>Poison Information Centre Children's Hospital P&A</i> Kyriakou Athens 11762 Greece Director Dr P. Neou, Emergency number: (0030) 2107793777 Fax: 00302107486114 Email: poison_ic@aglaiakyriakou.gr available for consultation 24 hours/day, to medical professionals and the public</p>			
Hungary	<p>Cím: 1097 Budapest, Albert Flórián út 2-6. <i>Sürgősségi információszolgáltatás mérgezés vagy annak gyanúja esetén:</i> +36 80 201 199 (0-24 órában, díjmentesen hívható – csak Magyarországról) +36 1 476 6464 (0-24 órában, normál díj ellenében hívható – <i>külföldről is</i>)</p>			
Iceland	<p>Tel: 543 2222 or 112 or 543 1000 ÓPIÐ Allan sólarhringinn alla daga</p>			
Ireland	<p>National Poisons Information Centre: 353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week). Healthcare Professionals: +353 (1)809 2566 (24 hour service)</p>			
Italy	CAV "Osp. Pediatric Child Jesus" "Department of Emergency and DEA Acceptance"	Rome	Piazza Sant'Onofrio, 4	00165 06 68593726
	Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122 800183459
	Az. Osp. "A. Cardarelli"	Naples	Via A. Cardarelli, 9	80131 081-5453333
	CAV Polyclinic "Umberto I"	Rome	V.le del Policlinico, 155	161 06-49978000
	CAV Polyclinic "A. Gemelli"	Rome	Largo Agostino Gemelli, 8	168 06-3054343
	Az. Osp. "Careggi" Medical Toxicology Unit	Florence	Largo Brambilla, 3	50134 055-7947819

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	<div> <div>CAV National Center for Toxicological Information</div> <div>Pavia</div> <div>Via Salvatore Maugeri, 10</div> <div>27100</div> <div>0382-24444</div> </div> <div> <div>Osp. Niguarda Ca 'Granda</div> <div>Milan</div> <div>Piazza Maggiore Hospital, 3</div> <div>20162</div> <div>02-66101029</div> </div> <div> <div>Papa Giovanni XXII Hospital</div> <div>Bergamo</div> <div>OMS Square, 1</div> <div>24127</div> <div>800883300</div> </div> <div> <div>Verona Integrated Hospital</div> <div>Verona</div> <div>Piazzale Aristide Stefani, 1</div> <div>37126</div> <div>800011858</div> </div>	
Latvia	<i>Valsts ugunsdzēsības un glābšanas dienests, phone number: 112.</i> <i>Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038,</i> <i>phone number +371 67042473. Service is available 24 hours.</i>	
Lithuania	Skambink telefonu 8-5 236 20 52	
Luxembourg	070 245 245	
Malta	Ministry for Health 15, Palazzo Castellania, Merchants Street, Valletta, VLT 1171 Telephone 2122 4071	
Netherlands	UMC Utrecht Heidelberglaan 100 3584 CX Utrecht 088 75 688 90	
Norway	Kontakt Giftinformasjonen hvis uhellet er ute 2200 13 59 Døgnåpen telefon.	
Poland	Bureau for Chemical Substances 30/34 Dowborczykow Street, 90-019 Lodz, Poland 400 2538 42 48+ E-mail biuro(at)chemikalia.gov.pl https://www.chemikalia.gov.pl/	
Portugal	Centro de Informação Antivenenos – CIAV Em caso de intoxicação, ligue 800 250 250 Morada Instituto Nacional de Emergência Médica Rua Almirante Barroso, 36 1000-013 Lisboa Telefone (Secretariado): 213 303 271 Fax: 213 303 275 E-mail: ciav.tox@inem.pt	
Romania	Phone number: +40213183606	
Slovakia	NATIONAL TOXICOLOGICAL INFORMATION CENTRE University Hospital Bratislava Limbová 5, 833 05 Bratislava Slovakia +421 2 5477 4166	
Slovenia	Phone number: 112	
Spain	Teléfono de emergencias: + 34 91 562 04 20 (Solo emergencias toxicológicas. Información en español (24h/365 días)	
Sweden	Giftinformationscentralen	

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	Swedish Poisons Information Centre S-171 76 Stockholm SWEDEN När det är akut 112
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Full text of H-Statements referred to under sections 2 and 3.

Acute Tox	Acute toxicity
Skin irrit	Skin irritation
Eye irrit	Eye irritation
Skin corr	Skin corrosion
Eye dam	Eye damage
Skin sens	Skin sensitization
Resp sens	Respiratory sensitization
STOT SE	Specific target organ toxicity, single exposure
Aquatic acute	Hazardous to the aquatic environment – short-term (acute) aquatic hazard
Aquatic chronic	Hazardous to the aquatic environment – long-term (chronic) aquatic hazard

H302	Harmful if swallowed.
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

Full text of P-Statements referred to under sections 2.

P261	Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P312	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor
P312	Call a POISON CENTRE/doctor if you feel unwell.
P321	Specific treatment (see section 4 to 8 on the SDS and any additional information on this label).
P330	Rinse mouth
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to a licensed waste management company local/regional/national /international regulations.

Training advice: Before using/handling the product one must read carefully present SDS.

Abbreviations and acronyms:

CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EH40:	The official name for the occupational exposure limits document for the EU
IMDG:	International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 EC50: Half maximal effective concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 M-factor: Multiplying factor used to calculate classifications
 n/a: Not Applicable
 SCL: Specific concentration limits.

Document History

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