

Safety Data Sheet

Nu-LactiKleen At usage rate (2%)



According to REACH Regulation (EC) No. 1907/2006, as amended by UK REACH Regulations SI 2019/758

Version:1
Version date:01/12/2023
Language:EN

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

1.1. Product identifier

Trade name/designation	:	Nu-LactiKleen At usage rate (2%)
Article No (user)	:	12297
UFI	:	-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	:	Disinfectant cleaner Lactic acid-based
Uses advised against	:	No data available.

1.3. Details of the supplier of the safety data sheet

Supplier	:	Name: InnuScience UK Limited Street: Unit 1 Bloomfield Park Industrial Estate Postal code/City: DY4 9AP, Tipton Country: England Telephone: +44 (0) 1908 991658 Website: https://innuscience.com/gb/ E-mail: uk@innuscience.com
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1.4. Emergency Telephone Number

United Kingdom: In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours (www.gpoutofhours.hscni.net/): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Hazards identification

This mixture is not classified as dangerous.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms	-
Signal word	-
Product identifiers	-
Hazard Statements	-

Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	-
Precautionary Statements - Response	-
Precautionary Statements - Storage	-
Precautionary Statements - Disposal	-

2.3. Other hazards

The mixture does not contain 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) according to article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>. Refer to section 3 to identify the substances concerned.

The mixture does not meet the criteria for PBT or vPvB mixtures, according to Annex XIII of REACH Regulation (EC) No. 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition:

Substance	C (%)	Classification of pure substance	Specific concentration limits	Note
L-(+)-Lactic acid CAS N°:79-33-4 EC N°:201-196-2 INDEX N°:607-743-00-5 REACH N°: 01-2119474164-39-xxxx	C< 0.5%	Skin Corr. 1C: H314 Eye Dam. 1: H318 EUH071	-	-
Carboxymethyl ether, sodium salt CAS N°:53563-70-5 EC N°:Polymer INDEX N°: REACH N°:	C< 0.5%	Skin Irrit. 2: H315 Eye Dam. 1: H318		-
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides CAS N°:110615-47-9 EC N°:600-975-8 INDEX N°: REACH N°:	C< 0.05%	Skin Irrit. 2: H315 Eye Dam. 1: H318	Skin Irrit. 2: H315 $\geq 30\%$ Eye Dam. 1: H318: C $\geq 12.05\%$ Eye Irrit. 2: H319 $12\% \leq C < 12.05\%$	

3.3. Additional information

Text phrases and H- EUH-: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Following inhalation	:	No special measures are necessary.
Following skin contact	:	Wash with plenty of water and soap.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.
Following ingestion	:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	:	Treat symptomatically.
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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray, foam, dry powder, carbon dioxide (CO ₂).
Unsuitable extinguishing media	:	Do not use water in case of electrical hazards

5.2. Special hazards arising from the substance or mixture

The formation of carbon monoxide (CO) and carbon dioxide (CO₂) is possible in the event of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Not data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Refer to the protective measures listed in sections 7 and 8.

For non-rescuers

Avoid all contact with skin and eyes.

For first aiders

Responders will be provided with appropriate personal protective equipment (Refer to section 8)

6.2. Environmental precautions

Contain and collect leaks with non-combustible absorbent materials, for example: sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Do not pour unused product onto the ground, into watercourses, into pipes (sink, toilet, etc.) or into sewers. Dispose of unused product, its packaging and all other waste in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Clean preferably with water.

6.4. Reference to other sections

Safe handling: see section 7.

Disposal: see section 13.

Personal protection equipment: see section 8.

6.5. Additional information

No data available.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash your hands after every use.
Remove and wash contaminated clothing before reuse.

Fire prevention:

Prohibit access to unauthorized persons.

Recommended equipment and procedures:

For personal protection, see section 8.
Observe the precautions indicated on the label as well as labour protection regulations.
It is imperative to avoid contact of the mixture with the eyes.
Opened packaging must be carefully closed and stored in an upright position.
For outdoor uses by spraying, prevent the wind from carrying the sprayed product to other areas (drift).

Prohibited equipment and procedures:

Do not drink/eat while using the product.
For exterior uses, do not apply the product if rain is forecast in the next 24 hours.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Avoid: freeze, cold, heat.
Biocidal product: keep the container tightly closed, in a dry and well-ventilated place.

Packaging

Do not transfer the product to another container or mix with other products.

7.3. Specific end uses

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

When using, do not eat, drink or smoke.

Personal protection equipment

Eye/face protection	:	Suitable eye protection: No eye protection is generally necessary.
Skin protection	:	Hand protection: No hand protection is generally required. Wash hands thoroughly after handling. Body protection: No special measures are necessary.
Respiratory protection	:	No respiratory protection is required.

8.3. Additional information

Not data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Fluid liquid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Unspecified
Melting point/freezing point:	Unspecified
Initial boiling point and boiling range:	Unspecified
Flammability:	Unspecified
Lower and upper explosion limit:	Unspecified
Flash point:	Unspecified
Auto-ignition temperature:	Unspecified
Decomposition temperature:	Unspecified
pH:	2.6
Kinematic viscosity:	< 10 mm ² /s
Solubility: Hydrosolubility Liposolubility	Soluble in water Unspecified
Partition coefficient: n-octanol/water (Log value):	Unspecified
Vapour pressure:	Unspecified
Relative density:	1.00 -1.10
Relative vapour density:	Unspecified
Particle characteristics:	The mixture does not contain nanoforms.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in section 7.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal storage and handling conditions.

10.4. Conditions to avoid

Avoid :

- Freeze
- Cold
- Heat

10.5. Incompatible materials

Do not mix with other products.

Avoid contact of the product on marble, limestone, aluminum, raw steel or any surface sensitive to acids.

10.6. Hazardous decomposition products

Thermal decomposition can release/form:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

10.7. Additional information

No data available

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567****Acute oral toxicity****Data for mixture**

No data available

Substances**L-(+)-Lactic acid**

Species	:	Rat
Sex	:	Female
Guideline	:	EPA OPP 81-1

Subendpoint	Operator	Value	Unit
LD50:	=	3543	mg/kg body weight

Conclusion	:	The substance is considered practically non-toxic by the oral route.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Species	:	Rat
Sex	:	Male/Female
Guideline	:	OECD 401

Subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg body weight

Conclusion	:	The substance is considered practically non-toxic by the oral route.
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Acute skin toxicity**Data for mixture**

No data available

Substances**L-(+)-Lactic acid**

Species	:	Rabbit
Sex	:	Male/female
Guideline	:	EPA OPP 81-2
Exposure duration/value	:	No data available
Exposure duration/unit	:	No data available

Subendpoint	Operator	Value	Unit
LD50:	>	2000	mg/kg body weight

Conclusion	:	The substance is considered to be practically non toxic by the dermal route.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Species	:	Rabbit
Sex	:	Male/female
Guideline	:	OECD 402
Exposure duration/value	:	24
Exposure duration/unit	:	h

Subendpoint	Operator	Value	Unit
LD50:	>	2000	mg/kg body weight
Conclusion	:	The substance is considered to be practically non toxic by the dermal route.	

Acute inhalation toxicity

Data for mixture

No data available.

Substances

L-(+)-Lactic acid

Species	:	Rat
Sex	:	Male/female
Guideline	:	OECD 403
Route of administration	:	Inhalation: vapour
Exposure duration/value	:	4
Exposure duration/unit	:	h

Subendpoint	Results/Sex	Operator	Value	Unit
LC50:		>	7.94	mg/L
Conclusion	:	The substance is considered to be practically non toxic by the dermal route.		

Skin corrosion/irritation

Data for mixture

The mixture is not classified as irritant or corrosive to skin based on the criteria defined in Regulation (EC) No. 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Substances

L-(+)-Lactic acid

Test type	:	In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 404
Exposure duration/value	:	4
Exposure duration/unit	:	h

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance is considered corrosive to skin.	

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Test type	:	In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 404
Exposure duration/value	:	4
Exposure duration/unit	:	h

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance is considered irritant to skin.	

Serious eye damage/irritation**Data for mixture**

The mixture is not classified as irritant or corrosive to eyes based on the criteria defined in Regulation (EC) No. 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Substances**L-(+)-Lactic acid**

Test type		In vitro
Species	:	Chicken eye
Sex	:	Not available
Guideline	:	OECD 438
Method type	:	Not available
Concentration	:	Not available

Subendpoint	Operator	Value	Unit
-	-	-	-

Conclusion : The substance causes irreversible damage to the eyes.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Test type		In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 405
Method type	:	Not available
Concentration	:	Not available

Subendpoint	Operator	Value	Unit
-	-	-	-

Conclusion : The substance is considered as corrosive to the eyes.

Respiratory or skin sensitisation**Data for mixture**

The classification criteria are not met. The mixture is not considered to be a respiratory or skin sensitizer.

Substances**L-(+)-Lactic acid**

The substance is considered not to be a respiratory or skin sensitizer.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is considered not to be a respiratory or skin sensitizer.

Germ cell mutagenicity**Data for mixture**

The classification criteria are not met. The mixture is considered to have no genotoxic potential.

Substances**L-(+)-Lactic acid**

The substance is considered to have no genotoxic potential.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is considered to have no genotoxic potential.

Carcinogenicity**Data for mixture**

The classification criteria are not met. The mixture doesn't induce carcinogenic effects.

Substances**L-(+)-Lactic acid**

The substance doesn't induce carcinogenic effects.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance doesn't induce carcinogenic effects.

Reproductive toxicity**Data for mixture**

The classification criteria are not met. The mixture is not considered to be teratogen.

Substances**L-(+)-Lactic acid**

The substance is not considered to be teratogen.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not considered to be teratogen.

STOT-single exposure**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

STOT-repeated exposure**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

Aspiration hazard**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

Additional information

Not available

11.2. Information on other hazards**Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substance is known to have endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute aquatic toxicity

Data for mixture

No aquatic toxicity information is available on the mixture.

Substances

L-(+)-Lactic acid

Animals/category	:	Fish
Species	:	Oncorhynchus mykiss
Test duration	:	96
Unit	:	h
Guideline	:	EPA-660/3-75-009

Subendpoint	Value	Unit
LC50:	130	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Test duration	:	48
Unit	:	h
Guideline	:	OECD 202

Subendpoint	Value	Unit
EC50	130	mg/L

Animals/category	:	Algae
Species	:	Raphidocelis subcapitata
Test duration	:	72
Unit	:	h
Guideline	:	OECD 201

Subendpoint	Value	Unit
ErC50	3500	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Animals/category	:	Fish
Species	:	Danio rerio
Test duration	:	96
Unit	:	h
Guideline	:	Not available

Subendpoint	Value	Unit
LC50:	2.95	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Test duration	:	48
Unit	:	h

Guideline	:	Not available
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Subendpoint	Value	Unit
EC50	7	mg/L

Animals/category	:	Algae
Species	:	Subspicatus Desmodesmus
Test duration	:	72
Unit	:	h
Guideline	:	Not available

Subendpoint	Value	Unit
ErC50	12.5	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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Chronic aquatic toxicity

Substances

L-(+)-Lactic acid

Animals/category	:	Fish
Species	:	Oreochromus mossambica
Guideline	:	Not available
Exposure duration/value	:	90
Exposure duration/unit	:	days

Subendpoint	Value	Unit
LOEC:	2.18	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Animals/category	:	Fish
Species	:	Danio rerio
Guideline	:	OECD 204
Exposure duration/value	:	28
Exposure duration/unit	:	days

Subendpoint	Value	Unit
NOEC:	1.8	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Guideline	:	OECD 202
Exposure duration/value	:	21
Exposure duration/unit	:	days

Subendpoint	Value	Unit
NOEC:	2	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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12.2. Persistence and degradability

Biodegradation

Data for mixture

No data available.

Substances

L-(+)-Lactic acid

Inoculum	:	Not available
Guideline	:	OECD 301B
Test duration	:	28
Unit	:	days

Parameter	Degradation rate	Unit
CO ₂ formation (% of theoretical value)	75.5	%

Remarks	:	The substance is readily biodegradable.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Inoculum	:	Activated sludge
Guideline	:	OECD 301A
Test duration	:	28
Unit	:	days

Parameter	Degradation rate	Unit
-	88	%

Remarks	:	The substance is readily biodegradable.
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12.3. Bioaccumulative potential

Bioconcentration factor (BCF)

Data for mixture

The mixture is not bioaccumulative.

Substances

L-(+)-Lactic acid

Species	:	Not available
Guideline	:	OECD 107
Log k _{ow}	:	-0.54

Bioconcentration factor (BCF)
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Remarks	:	The substance has a low bioaccumulation potential.
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12.4. Mobility in soil

High mobility in the soil.

12.5. Results of PBT and vPvB assessment

Non-persistent mixture.

Non-bioaccumulative mixture.

Non-toxic blend.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

12.8. Additional ecotoxicological information

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate waste management of the mixture and/or its container must be determined in accordance with the provisions of Directive 2008/98/EC

13.1. Waste treatment methods

Biocidal product: avoid direct discharge of unused product into sewers or the environment.

Waste :

Waste management is carried out without endangering human health and without harming the environment, and in particular without creating a risk for water, air, soil, fauna or flora.

Recycle or dispose of in accordance with current legislation, by a collector or an approved company.

Do not contaminate soil or water with waste, do not dispose of it into the environment.

Soiled packaging:

Empty the container completely and rinse with water. Keep the label on the container.

The container can then be disposed of as non-hazardous waste. The residual product must be disposed of according to Directive 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

ADR, IMDG, IATA

Exempt from Transport classification and labelling.

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not regulated.

14.8. Additional information

Not data available.

SECTION 15: REGULATORY INFORMATION

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

Information relating to classification and labelling in section 2:

The following regulations have been taken into account: Regulation (EC) No. 1272/2008 amended by Regulation (EU) No. 2022/692 (ATP 18)

Packaging information:

No data is available.

Restrictions applied under Title VIII of REACH Regulation (EC) No. 1907/2006:

The mixture does not contain any substances subject to restriction according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:
<https://echa.europa.eu/substances-restricted-under-reach>.

Explosives precursors:

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 relating to the marketing and use of explosive precursors.

Particular dispositions :

No data is available.

Labelling of detergents (EC Regulation No. 648/2004 and 907/2006):

- less than 5%: anionic surfactants
- less than 5%: non-ionic surfactants
- disinfectants

Labelling of biocides (Regulation (EU) No. 528/2012):

Name	CAS	%	Product-type
L-(+)-Lactic acid	79-33-4	2.99 g/kg	2
			4

Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals

Product-type 4: Food and feed area

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: OTHER INFORMATION

Creation date:	01/12/2012
Version date:	01/12/2023
Printing date:	01/12/2023

16.1. Indication of changes

No data available.

16.2. Abbreviations and acronyms

LD50 : The amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals.

UFI : Unique formula identifier

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO: The International Civil Aviation Organization.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion.

PBT : Persistent, bioaccumulative and toxic .

vPvB : very Persistent and very Bio-accumulative

SVHC : Substance of Very High Concern.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP] as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Complies with ATP 18, Regulation (EU) n°2022/69

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H314	Skin Corr. 1C	Causes severe skin burns and eye damage.
H315	Skin Irrit. 2	Causes skin irritation.
H318	Eye Dam. 1	Causes serious eye damage.

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Safety Data Sheet

Nu-LactiKleen Concentrate



According to REACH Regulation (EC) No. 1907/2006, as amended by UK REACH Regulations SI 2019/758

Version:1
Version date: 01/12/2023
Language: EN

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

1.1. Product identifier

Trade name/designation	:	Nu-LactiKleen Concentrate
Article No (user)	:	12297
UFI	:	5HQ9-V0RP-J00H-6YA1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	:	Disinfectant cleaner Lactic acid-based
Uses advised against	:	No data available.

1.3. Details of the supplier of the safety data sheet

Supplier	:	Name: InnuScience UK Limited Street: Unit 1 Bloomfield Park Industrial Estate Postal code/City: DY4 9AP, Tipton Country: England Telephone: +44 (0) 1908 991658 Website: https://innuscience.com/gb/ E-mail: uk@innuscience.com
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1.4. Emergency Telephone Number

United Kingdom: In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours (www.gpoutofhours.hscni.net/): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture


Classification according to regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Hazards identification

Classification	Hazard statements (H)	
Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1	H318	Causes serious eye damage

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms	
Signal word	Danger
Product identifiers	L-(+)-Lactic acid D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides
Hazard Statements	H315 Causes skin irritation. H318 Causes serious eye damage
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P264 Wash hands thoroughly after handling. P280 Wear protective gloves and eye/face protection.
Precautionary Statements - Response	P302+P352 - IF ON SKIN: Wash with plenty of water. 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 or a doctor P321 - Specific treatment (see ... on this label). P332 + P313 - If skin irritation occurs: Get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash it before reuse.
Precautionary Statements - Storage	-
Precautionary Statements - Disposal	-

2.3. Other hazards

The mixture does not contain 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) according to article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>. Refer to section 3 to identify the substances concerned.

The mixture does not meet the criteria for PBT or vPvB mixtures, according to Annex XIII of REACH Regulation (EC) No. 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition:

Substance	C (%)	Classification of pure substance	Specific concentration limits	Note
L-(+)-Lactic acid CAS N°:79-33-4 EC N°:201-196-2 INDEX N°:607-743-00-5 REACH N°: 01-2119474164-39-xxxx	10.0% \leq C < 25.0%	Skin Corr. 1C: H314 Eye Dam. 1: H318 EUH071	-	-
Carboxymethyl ether, sodium salt CAS N°:53563-70-5 EC N°:Polymer INDEX N°: REACH N°:	10.0% \leq C < 25.0%	Skin Irrit. 2: H315 Eye Dam. 1: H318		-
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides CAS N°:110615-47-9 EC N°:600-975-8 INDEX N°: REACH N°:	0% \leq C < 2.5%	Skin Irrit. 2: H315 Eye Dam. 1: H318	Skin Irrit. 2: H315 $\geq 30\%$ Eye Dam. 1: H318: C $\geq 12.05\%$ Eye Irrit. 2: H319 12% \leq C < 12.05%	

3.3. Additional information

Text phrases and H- EUH-: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	:	If in doubt or if symptoms persist, always seek medical attention. NEVER give anything to an unconscious person.
Following inhalation	:	If symptoms appear, call a POISON CENTER or doctor.
Following skin contact	:	If skin irritation occurs: seek medical advice/treatment. Remove impregnated clothing and wash skin thoroughly with soap and water. Wash with plenty of clean water. Wash clothes before reuse.
Following eye contact	:	Wash with plenty of clean, fresh water for 15 minutes, holding the eyelids apart. Whatever the initial condition, systematically refer the exposed person to an ophthalmologist, showing him the label. In case of contact with eyes, remove contact lenses if present and rinse eyes slowly and gently with clean water. Continue rinsing for at least 15 minutes.
Following ingestion	:	Rinse mouth immediately. Give some things to drink if the exposed person is able to swallow. DO NOT induce vomiting. Call a POISON CENTER or doctor for medical help.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	:	Treat symptomatically.
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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray, foam, dry powder, carbon dioxide (CO ₂).
Unsuitable extinguishing media	:	Do not use water in case of electrical hazards

5.2. Special hazards arising from the substance or mixture

The formation of carbon monoxide (CO) and carbon dioxide (CO₂) is possible in the event of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Refer to the protective measures listed in sections 7 and 8.

For non-rescuers

Avoid all contact with skin and eyes.

For first aiders

Responders will be provided with appropriate personal protective equipment (Refer to section 8)

6.2. Environmental precautions

Contain and collect leaks with non-combustible absorbent materials, for example: sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

6.3. Methods and material for containment and cleaning up

Clean preferably with water.

The pure product dispersed on the floor can make it slippery.

6.4. Reference to other sections

Safe handling: see section 7.

Disposal: see section 13.

Personal protection equipment: see section 8.

6.5. Additional information

No data available.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash your hands after every use.

Remove and wash contaminated clothing before reuse.

Provide safety showers and eye fountains in workshops where the mixture is handled constantly.

Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Prohibit access to unauthorized persons.

Handle in well ventilated areas.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe the precautions indicated on the label as well as labor protection regulations.

It is imperative to avoid contact of the mixture with the eyes.

Opened packaging must be carefully closed and stored in an upright position.

For outdoor uses by spraying, prevent the wind from carrying the sprayed product to other areas (drift).

Prohibited equipment and procedures:

Do not drink/eat while using the product.

For exterior uses, do not apply the product if rain is forecast in the next 24 hours.

7.2. Conditions for safe storage, including any incompatibilities

Store container tightly closed in a cool, well-ventilated place.

Storage

Avoid: freeze, cold, heat, direct light.

Biocidal product: keep the container tightly closed, in a dry and well-ventilated place.

Packaging

Always keep the product in its original packaging

7.3. Specific end uses

No data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Ensure adequate ventilation, especially in confined areas.

Personal protection equipment



Eye/face protection	:	Avoid contact with eyes. Use eye protection designed against liquid splashes. Before any handling, it is necessary to wear glasses with side protection complying with standard NF EN166. Wearing corrective glasses does not constitute protection. Provide eye fountains in workshops where the product is handled constantly. When splashes cannot be avoided, use a face shield for facial protection.
Skin protection	:	Hand protection: Wear suitable protective gloves in case of prolonged or repeated skin contact. Use appropriate protective gloves resistant to chemical agents complying with EN ISO 374-1. Glove selection should be made based on the application and duration of use at the workstation. Recommended type of gloves: - Butyl rubber (isobutylene-isoprene copolymer) - Nitrile rubber (butadiene-acrylonitrile copolymer (NBR)) Body protection: Avoid contact with skin. Wear appropriate protective clothing. If splashes occur on skin, rinse with water.
Respiratory protection	:	Respiratory protection necessary at: No respiratory protection is required.

8.3. Additional information

No data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Fluid liquid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Unspecified
Melting point/freezing point:	Unspecified
Initial boiling point and boiling range:	Unspecified
Flammability:	Unspecified
Lower and upper explosion limit:	Unspecified
Flash point:	Unspecified
Auto-ignition temperature:	Unspecified
Decomposition temperature:	Unspecified
pH:	1.25 - 2.25. Strong acid
pH in aqueous solution	Unspecified
Kinematic viscosity:	< 50 mm ² /s
Solubility:	Soluble in water
Partition coefficient: n-octanol/water (Log value):	Unspecified

Vapour pressure:	Unspecified
Relative density:	1.00 -1.10
Relative vapour density:	Unspecified
Particle characteristics:	The mixture does not contain nanoforms.

9.2. Other information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in section 7.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal storage and handling conditions.

10.4. Conditions to avoid

Avoid :

- Freeze
- Cold
- Heat
- Exposure to direct sunlight

10.5. Incompatible materials

Do not mix with other products.

Avoid contact of the product on marble, limestone, aluminum, raw steel or any surface sensitive to acids.

10.6. Hazardous decomposition products

Thermal decomposition can release/form:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

10.7. Additional information

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Acute oral toxicity

Data for mixture

No data available

Substances

L-(+)-Lactic acid

Species	:	Rat
Sex	:	Female
Guideline	:	EPA OPP 81-1

Subendpoint	Operator	Value	Unit
LD50:	=	3543	mg/kg body weight
Conclusion	:	The substance is considered practically non-toxic by the oral route.	
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)			
Species	:	Rat	
Sex	:	Male/Female	
Guideline	:	OECD 401	

Subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg body weight
Conclusion	:	The substance is considered practically non-toxic by the oral route.	

Acute skin toxicity

Data for mixture

No data available

Substances

L-(+)-Lactic acid

Species	:	Rabbit	
Sex	:	Male/female	
Guideline	:	EPA OPP 81-2	
Exposure duration/value	:	No data available	
Exposure duration/unit	:	No data available	

Subendpoint	Operator	Value	Unit
LD50:	>	2000	mg/kg body weight
Conclusion	:	The substance is considered to be practically non toxic by the dermal route.	
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)			
Species	:	Rabbit	
Sex	:	Male/female	
Guideline	:	OECD 402	
Exposure duration/value	:	24	
Exposure duration/unit	:	h	

Subendpoint	Operator	Value	Unit
LD50:	>	2000	mg/kg body weight
Conclusion	:	The substance is considered to be practically non toxic by the dermal route.	

Acute inhalation toxicity

Data for mixture

No data available.

Substances

L-(+)-Lactic acid

Species	:	Rat	
Sex	:	Male/female	
Guideline	:	OECD 403	
Route of administration	:	Inhalation: vapour	
Exposure duration/value	:	4	
Exposure duration/unit	:	h	

Subendpoint	Results/Sex	Operator	Value	Unit
LC50:		>	7.94	mg/L
Conclusion	:	The substance is considered to be practically non toxic by the dermal route.		

Skin corrosion/irritation

Data for mixture

The mixture is classified as irritating to the skin taking into account the criteria defined in Regulation (EC) No. 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Substances

L-(+)-Lactic acid

Test type	:	In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 404
Exposure duration/value	:	4
Exposure duration/unit	:	h

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance is considered corrosive to skin.	

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Test type	:	In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 404
Exposure duration/value	:	4
Exposure duration/unit	:	h

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance is considered irritant to skin.	

Serious eye damage/irritation

Data for mixture

The mixture is classified as causing serious eye damage based on the criteria defined in Regulation (EC) No. 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Substances

L-(+)-Lactic acid

Test type	:	In vitro
Species	:	Chicken eye
Sex	:	Not available
Guideline	:	OECD 438
Method type	:	Not available
Concentration	:	Not available

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance causes irreversible damage to the eyes.	

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS:110615-47-9)

Test type		In vivo
Species	:	Rabbit
Sex	:	Not available
Guideline	:	OECD 405
Method type	:	Not available
Concentration	:	Not available

Subendpoint	Operator	Value	Unit
-	-	-	-
Conclusion	:	The substance is considered as corrosive to the eyes.	

Respiratory or skin sensitisation**Data for mixture**

The classification criteria are not met. The mixture is not considered to be a respiratory or skin sensitizer.

Substances**L-(+)-Lactic acid**

The substance is considered not to be a respiratory or skin sensitizer.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is considered not to be a respiratory or skin sensitizer.

Germ cell mutagenicity**Data for mixture**

The classification criteria are not met. The mixture is considered to have no genotoxic potential.

Substances**L-(+)-Lactic acid**

The substance is considered to have no genotoxic potential.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is considered to have no genotoxic potential.

Carcinogenicity**Data for mixture**

The classification criteria are not met. The mixture doesn't induce carcinogenic effects.

Substances**L-(+)-Lactic acid**

The substance doesn't induce carcinogenic effects.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance doesn't induce carcinogenic effects.

Reproductive toxicity**Data for mixture**

The classification criteria are not met. The mixture is not considered to be teratogen.

Substances**L-(+)-Lactic acid**

The substance is not considered to be teratogen.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not considered to be teratogen.

STOT-single exposure**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

STOT-repeated exposure**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

Aspiration hazard**Data for mixture**

The classification criteria are not met. The mixture is not classified.

Substances**L-(+)-Lactic acid**

The substance is not classified.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

The substance is not classified.

Additional information

Not available

11.2. Information on other hazards**Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substance is known to have endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****Acute aquatic toxicity****Data for mixture**

No aquatic toxicity information is available on the mixture.

Substances**L-(+)-Lactic acid**

Animals/category	:	Fish
Species	:	Oncorhynchus mykiss
Test duration	:	96
Unit	:	h
Guideline	:	EPA-660/3-75-009

Subendpoint	Value	Unit
LC50:	130	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Test duration	:	48
Unit	:	h
Guideline	:	OECD 202

Subendpoint	Value	Unit
EC50	130	mg/L

Animals/category	:	Algae
Species	:	Raphidocelis subcapitata
Test duration	:	72
Unit	:	h
Guideline	:	OECD 201

Subendpoint	Value	Unit
ErC50	3500	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Animals/category	:	Fish
Species	:	Danio rerio
Test duration	:	96
Unit	:	h
Guideline	:	Not available

Subendpoint	Value	Unit
LC50:	2.95	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Test duration	:	48
Unit	:	h
Guideline	:	Not available

Subendpoint	Value	Unit
EC50	7	mg/L

Animals/category	:	Algae
Species	:	Subspicatus Desmodesmus
Test duration	:	72
Unit	:	h
Guideline	:	Not available

Subendpoint	Value	Unit
ErC50	12.5	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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Chronic aquatic toxicity**Substances****L-(+)-Lactic acid**

Animals/category	:	Fish
Species	:	Oreochromus mossambica
Guideline	:	Not available
Exposure duration/value	:	90
Exposure duration/unit	:	days

Subendpoint	Value	Unit
LOEC:	2.18	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Animals/category	:	Fish
Species	:	Danio rerio
Guideline	:	OECD 204
Exposure duration/value	:	28
Exposure duration/unit	:	days

Subendpoint	Value	Unit
NOEC:	1.8	mg/L

Animals/category	:	Crustacean
Species	:	Daphnia magna
Guideline	:	OECD 202
Exposure duration/value	:	21
Exposure duration/unit	:	days

Subendpoint	Value	Unit
NOEC:	2	mg/L

Remarks	:	The substance is not classified according to the reference regulation.
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12.2. Persistence and degradability**Biodegradation****Data for mixture**

No data available.

Substances**L-(+)-Lactic acid**

Inoculum	:	Not available
Guideline	:	OECD 301B
Test duration	:	28
Unit	:	days

Parameter	Degradation rate	Unit
CO ₂ formation (% of theoretical value)	75.5	%

Remarks	:	The substance is readily biodegradable.
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (CAS: 110615-47-9)

Inoculum	:	Activated sludge
Guideline	:	OECD 301A

Test duration	:	28
Unit	:	days

Parameter	Degradation rate	Unit
-	88	%

Remarks	:	The substance is readily biodegradable.
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12.3. Bioaccumulative potential

Bioconcentration factor (BCF)

Data for mixture

The mixture is not bioaccumulative.

Substances

L-(+)-Lactic acid

Species	:	Not available
Guideline	:	OECD 107
Log kow	:	-0.54

Bioconcentration factor (BCF)

-	
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Remarks	:	The substance has a low bioaccumulation potential.
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12.4. Mobility in soil

High mobility in the soil.

12.5. Results of PBT and vPvB assessment

Non-persistent mixture.

Non-bioaccumulative mixture.

Non-toxic blend.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

12.8. Additional ecotoxicological information

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate waste management of the mixture and/or its container must be determined in accordance with the provisions of Directive 2008/98/EC

13.1. Waste treatment methods

Biocidal product: avoid direct discharge of unused product into sewers or the environment.

Waste :

Waste management is carried out without endangering human health and without harming the environment, and in particular without creating a risk for water, air, soil, fauna or flora.

Recycle or dispose of in accordance with current legislation, by a collector or an approved company.

Do not contaminate soil or water with waste, do not dispose of it into the environment.

Soiled packaging:

Empty the container completely and rinse with water. Keep the label on the container.

The container can then be disposed of as non-hazardous waste. The residual product must be disposed of according to Directive 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

ADR, IMDG, IATA

Exempt from Transport classification and labelling.

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not regulated.

14.8. Additional information

Not available

SECTION 15: REGULATORY INFORMATION

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

Information relating to classification and labelling in section 2:

The following regulations have been taken into account: Regulation (EC) No. 1272/2008 amended by Regulation (EU) No. 2022/692 (ATP 18)

Packaging information:

No data is available.

Restrictions applied under Title VIII of REACH Regulation (EC) No. 1907/2006:

The mixture does not contain any substances subject to restriction according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:

<https://echa.europa.eu/substances-restricted-under-reach>.

Explosives precursors:

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 relating to the marketing and use of explosive precursors.

Particular dispositions :

No data is available.

Labelling of detergents (EC Regulation No. 648/2004 and 907/2006):

- 5% or more, but less than 15%: anionic surfactants
- less than 5%: non-ionic surfactants
- disinfectants

Labelling of biocides (Regulation (EU) No. 528/2012):

Name	CAS	%	Product-type
L-(+)-Lactic acid	79-33-4	149.60 g/kg	2 4

Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals

Product-type 4: Food and feed area

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: OTHER INFORMATION

Creation date:	01/12/2023
Version date:	01/12/2023
Printing date:	01/12/2023

16.1. Indication of changes

No data available.

16.2. Abbreviations and acronyms

LD50 : The amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals.

UFI : Unique formula identifier

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO: The International Civil Aviation Organization.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion.

PBT : Persistent, bioaccumulative and toxic .

vPvB : very Persistent and very Bio-accumulative

SVHC : Substance of Very High Concern.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP] as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008 as amended by GB-CLP regulation, UK SI 2019/720 and UK SI 2020/1567.

Complies with ATP 18, Regulation (EU) n°2022/692.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H314	Skin Corr. 1C	Causes severe skin burns and eye damage.
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H315	Skin Irrit. 2	Causes skin irritation.
H318	Eye Dam. 1	Causes serious eye damage.

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not data available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.