our safety data sheet for...

Natural Disinfectant

DELPHIS eco PROFESSIONAL CLEANING

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier
Product Name: Natural Disinfectant
Product Code: NDF050 (concentrate)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: All Purpose Sanitiser concentrate.
Restrictions on use: Not for direct application to food stuffs, not for oral consumption.

1.3 Details of the supplier of the safety data sheet
Company: Delphis Eco Ltd, The Leather Market, Lefone House unit 202, 11-13 Weston Street, London SE1 3ER

1.4 Emergency telephone number
Emergency phone number: t. 0203 397 0096 (office hours only) e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation, Category 1 H314
Serious eye damage/eye irritation, Category 1 H318
Full text of H- and EUH-statements: see section 16
Adverse physicochemical, human health and environmental effects: Causes severe skin burns and eye damage. Presents no particular risk to the environment.

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP) :



GHS05
Signal word (CLP): Danger
Contains : L-lactic acid; C08-10 Alkyl glucoside
Hazard statements (CLP): H314: Causes severe skin burns and eye damage.
Precautionary statements (CLP): P262: Do not get in eyes, on skin, or on clothing.
P280: Wear eye protection, protective gloves.
P301+P330+P331+P310: If swallowed: rinse mouth. Do not induce vomiting. Immediately call a poison center.
P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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 doctor or poison center.

2.3 Other hazards
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This mixture is not considered to be persistent, bioaccumulating and toxic (PBT). Contains no PBT and/or vPvB substances > 0.1% assessed in accordance with REACH Annex XIII. The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

3. Composition/Information on Ingredients

3.2 Mixtures

Name	Product identifier	Percent	Classification according to Reg (EC) No. 1272/2008
LACTIC ACID	CAS-No.: 79-33-4 EC-No.: 201-196-2 EC Index-No.: 607-743-00-5 REACH-no: 01-2119474164-39	>20 - <40	Skin Corr. 1C, H314 Eye Dam. 1, H318
C8-C10-ALKYL GLUCOSIDES	CAS-No.: 68515-73-1 EC-No.: 500-220-1 REACH-no: 01-2119488530-36-XXXX	>10 - <20	Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

4. First Aid Measures

4.1 Description of first aid measures
General: If you feel unwell, seek medical advice (show the label where possible).
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Skin contact: Take off immediately all contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
Ingestion: Do not induce vomiting. Rinse mouth out with water. Get immediate medical advice/attention.
Inhalation: Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact: May cause moderate irritation, including burning sensation, tearing, redness or swelling.
Eye contact: May cause eye irritation. redness, itching, tears. Risk of serious damage to eyes.
Ingestion: May cause severe irritation to the digestive tract. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Inhalation: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Delayed effects: Repeated or prolonged contact may cause skin irritation. Direct contact with the eyes is likely to be irritating.

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

5. Fire Fighting Measures

5.1 Extinguishing media
Suitable extinguishing media: Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Reactivity in case of fire: Product is not explosive.
Hazardous decomposition products in case of fire: On heating irritating fumes to eyes or skin may be produced.

5.3 Advice for fire-fighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and procedures
General measures: Stop leak if safe to do so. Wash immediately with plenty of water.
For non-emergency personnel - Emergency procedures: Avoid contact with skin, eyes and clothing. When opening containers, avoid breathing vapours that may be emanating.
For emergency responders - Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2 Environmental precautions
Presents no particular risk to the environment.

6.3 Methods and materials for containment and cleaning up
For containment: Stop leak without risks if possible.
Methods for cleaning up: Clean contaminated surfaces with an excess of water.
Other information: Small amount of unwanted product may be flushed with water to sewer.

6.4 Reference to other sections
For further information refer to section 13.

7. Handling and Storage

7.1 Precautions for safe handling
Precautions for safe handling: Avoid contact with skin and eyes. When opening containers, avoid breathing vapours that may be emanating.
Hygiene measures: Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool.
Incompatible products: Strong alkalis.
Incompatible materials: Strong alkalis.

7.3 Specific end use(s)
No additional information available.

8. Exposure Controls/Personal Protection

8.1 Control parameters
National occupational exposure and biological limit values:
Delphis Eco Natural Disinfectant
United Kingdom - Occupational Exposure Limits
Remark Contains no substances with occupational work exposure limits.
DNEL and PNEC
L-lactic acid (79-33-4)

DNEL/DMEL (Workers)
Acute - systemic effects, dermal: no hazard identified
Acute - systemic effects, inhalation: no hazard identified

DNEL/DMEL (General population)
Acute - systemic effects, dermal : no hazard identified
Acute - systemic effects, oral: no hazard identified

PNEC (Water)
PNEC aqua (freshwater): no hazard identified
PNEC aqua (marine water): no hazard identified

PNEC (Sediment)
PNEC sediment (freshwater): no hazard identified
PNEC sediment (marine water): no hazard identified

PNEC (STP)
PNEC sewage treatment plant: no hazard identified

C08-10 Alkyl glucoside (68515-73-1)
DNEL/DMEL (Workers)
Long-term - systemic effects, dermal: 595000 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 420 mg/m3

DNEL/DMEL (General population)
Long-term - systemic effects,oral: 35.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 124 mg/m3
Long-term - systemic effects, dermal: 357000 mg/kg bodyweight/day

PNEC (Water)
PNEC aqua (freshwater): 0.176 mg/l
PNEC aqua (marine water): 0.0176 mg/l
PNEC aqua (intermittent, freshwater): 0.27 mg/l

PNEC (Sediment)
PNEC sediment (freshwater): 1516 mg/kg dwt

C08-10 Alkyl glucoside (68515-73-1)
PNEC sediment (marine water): 0.152 mg/kg dwt
PNEC soil: 0.654 mg/kg dwt
PNEC oral (secondary poisoning): 111.11 mg/kg food
PNEC sewage treatment plant: 560 mg/l

8.2 Exposure controls
Appropriate engineering controls:
Personal protective equipment:
Safety glasses. Handling and dilution of concentrates.
Personal protective equipment symbol(s):



Eye protection: Handling and dilution of concentrates. Wear safety glasses with side shields. Use eye protection according to EN 166. Safety glasses.

Type	Field of application	Characteristics	Standard
Safety goggles	Droplet	With side shields	EN 166

Skin and body protection: Wear suitable working clothes.

Hand protection: Nitrile-rubber protective gloves. (EN374). Always wash hands after handling the product

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Type A	Nitrile rubber (NBR)	2 (> 30 minutes)		-	EN ISO 374
Reusable gloves, Type A	Nitrile rubber (NBR)	2 (> 30 minutes)	>0.38mm	-	EN ISO 374

Respiratory protection: Not necessary with sufficient ventilation. When opening containers, avoid breathing vapours that may be emanating.
Thermal hazard protection: Not required.
Environmental exposure controls: No special environmental concerns.
Consumer exposure controls: When opening containers, avoid breathing vapours that may be emanating.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
State: Liquid

Colour:	Colourless
Appearance:	Liquid
Odour:	Mild lactic acid odour
Solubility in water:	Soluble
Density:	1.07 - 1.08 @ 20°C
pH:	2.0

9.2 Other information
No additional information available.

10. Stability and Reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials
No additional information available.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

L-lactic acid (79-33-4)

LD50 oral rat	< 3543 mg/kg bodyweight Female Rat
LD50 oral	< 4936 mg/kg bodyweight Male Rat
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 7.94 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

C08-10 Alkyl glucoside (68515-73-1)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:	Causes severe skin burns. pH: 2
Serious eye damage/irritation:	Causes serious eye damage. pH: 2
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified

C08-10 Alkyl glucoside (68515-73-1)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard:	Not classified.

11.2. Information on other hazards
No additional information available

12. Ecological Information

12.1 Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short term (acute): Not classified.
Hazardous to the aquatic environment, long term (chronic): Not classified.

L-lactic acid (79-33-4)

LC50 - Fish [1]:	195 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio).
EC50 - Crustacea [1]:	130 750 mg/l Test organisms (species): Daphnia magna.
ErC50 algae:	> 2800 mg/l (Pseudokirchneriella subcapitata (algae)).

C08-10 Alkyl glucoside (68515-73-1)

LC50 - Fish [1]:	100.81 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio).
LC50 - Fish [2]:	170 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio).
EC50 - Crustacea [1]:	> 100 mg/l Test organisms (species): Daphnia magna.
EC50 72h - Algae [1]:	27.22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus).
EC50 72h - Algae [2]:	37 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus).

12.2 Persistence and degradability
Persistence and degradability: Readily biodegradable.
L-lactic acid (79-33-4)
Persistence and degradability: Readily biodegradable.
C08-10 Alkyl glucoside (68515-73-1)
Persistence and degradability: Readily biodegradable.

12.3 Bio-accumulative potential
The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
L-lactic acid (79-33-4)
Bioaccumulative potential: Not potentially bioaccumulable.
C08-10 Alkyl glucoside (68515-73-1)
Bioaccumulative potential: Not potentially bioaccumulable.

12.4 Mobility in soil
Soluble in water.

12.5 Results of PBT and vPvB assessment
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This mixture is not considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Other adverse effects
No additional information available.

13. Disposal Recommendations

13.1 Waste treatment methods
Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3265	UN 3265	UN 3265	UN 3265	UN 3265
14.2. UN proper shipping name				
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid))	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid))	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. -	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid))	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid))
Transport document description				
UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid)), 8, III, (E)	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid)), 8, III	UN 3265 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. 8, III -	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid)), 8, III	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Corrosive liquid, acidic, organic, n.o.s. (lactic acid)), 8, III

14.3. Transport hazard class(es)











14.4. Packing group

III	III	III	III	III

14.5. Environmental hazards

Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-B	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

14.6. Special precautions for user

Overland transport

Classification code (ADR):	C3
Special provisions (ADR):	274
Limited quantities (ADR):	5l
Excepted quantities (ADR):	E1
Packing instructions (ADR):	P001, IBC03, LP01, R001
Mixed packing provisions (ADR):	MP19
Portable tank and bulk container instructions (ADR):	T7
Portable tank and bulk container special provisions (ADR):	TP1, TP28
Tank code (ADR):	L4BN
Vehicle for tank carriage:	AT
Transport category (ADR):	3
Special provisions for carriage - Packages (ADR):	V12
Hazard identification number (Kemler No.):	80
Orange plates:	
Tunnel restriction code (ADR):	E
EAC code:	2X

Transport by sea

Special provisions (IMDG):	223, 274
Limited quantities (IMDG):	5 L
Excepted quantities (IMDG):	E1
Packing instructions (IMDG):	P001, LP01
IBC packing instructions (IMDG):	IBC03
Tank instructions (IMDG):	T7
Tank special provisions (IMDG):	TP1, TP28
Stowage category (IMDG):	A
Stowage and handling (IMDG):	SW2
Segregation (IMDG):	SGG1, SG36, SG49
Properties and observations (IMDG):	Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA):	E1
PCA Limited quantities (IATA):	Y841
PCA limited quantity max net quantity (IATA):	5kg
PCA packing instructions (IATA):	852
PCA max net quantity (IATA):	5L
CAO packing instructions (IATA):	856
CAO max net quantity (IATA):	60L
Special provisions (IATA):	A3, A803
ERG code (IATA):	8L

Inland waterway transport

Classification code (ADN):	C3
Special provisions (ADN):	274
Limited quantities (ADN):	5 L
Excepted quantities (ADN):	E1
Carriage permitted (ADN):	T
Equipment required (ADN):	PP, EP
Number of blue cones/lights (ADN):	0

Rail transport

Classification code (RID):	C3
Special provisions (RID):	274
Limited quantities (RID):	5L
Excepted quantities (RID):	E1
Packing instructions (RID):	P001, IBC03, LP01, R001
Mixed packing provisions (RID):	MP19
Portable tank and bulk container instructions (RID):	T7

Portable tank and bulk container special provisions(RID):	TP1, TP28
Tank codes for RID tanks (RID):	L4BN
Transport category (RID):	3
Special provisions for carriage Packages (RID):	W12
Colis express (express parcels) (RID):	CE8
Hazard identification number (RID):	80

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU-Regulations
REACH Annex XVII (Restriction List): Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List): Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC): Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent): Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (2024/590): Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)
Council Regulation (EC) for the control of dual-use items: Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items
Explosives Precursors Regulation (EU 2019/1148): Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Drug Precursors Regulation (EC 273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)
National regulations: UK HSE EH40 workplace exposure limits. Regulation (EC) 1907/2006 - REACH (UK amended)

16. Other Information

Abbreviations and acronyms:

ADN:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE:	Acute Toxicity Estimate
BCF:	Bioconcentration factor
BLV:	Biological limit value
BOD:	Biochemical oxygen demand (BOD)
COD:	Chemical oxygen demand (COD)
DMEL:	Derived Minimal Effect level
DNEL:	Derived-No Effect Level
EC-No.:	European Community number
EC50:	Median effective concentration
EN:	European Standard
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
LC50:	Median lethal concentration
LD50:	Median lethal dose
LOAEL:	Lowest Observed Adverse Effect Level
NOAEC:	No-Observed Adverse Effect Concentration
NOAEL:	No-Observed Adverse Effect Level
NOEC:	No-Observed Effect Concentration
OECD:	Organisation for Economic Co-operation and Development
OEL:	Occupational Exposure Limit
PBT:	Persistent Bioaccumulative Toxic
PNEC:	Predicted No-Effect Concentration
RID:	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS:	Safety Data Sheet
STP:	Sewage treatment plant
ThOD:	Theoretical oxygen demand (ThOD)
TLM:	Median Tolerance Limit
VOC:	Volatile Organic Compounds
CAS-No:	Chemical Abstracts Service number
N.O.S:	Not Otherwise Specified
vPvB:	Very Persistent and Very Bioaccumulative
ED:	Endocrine disruptor

Full text of H- and EUH-statements:

Eye Dam. 1:	Serious eye damage/eye irritation, Category 1
Skin Corr. 1C:	Skin corrosion/irritation, Category 1, Sub-Category 1C
H314:	Causes severe skin burns and eye damage
H318:	Causes serious eye damage

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Date: 31.05.26

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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