

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 07/02/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

BF122

1.1. Product identifier

Product name

: ntrl Probiotic Cleaner Degreaser Sachet

: RT6V-A1KR-M00H-VWSY

Product code

UFI

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

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1.2.1. Relevant identified uses

Use of the substance/mixture

: Specialised biological preparation for cleaning and degreasing.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Jangro Ltd

Jangro Ltd (UK): 1A Parklands, 3rd Floor, Lostock, Bolton, BL6 4SD, UK Jangro Ltd (Europe): 6-9 Trinity Street, Dublin 2, D02 EY47, IRELAND T UK: +44 (0) 1204 795 955 Dublin: 01 617 7911 enguiries@jangrohg.net

1.4. Emergency telephone number

Emergency number

: +44 (0) 1204 795 955 (8am-5pm)

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

Classification according to Regulation (EC) No. 1272/2008 [CLP] 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 serious eye irritation.

2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : GHS07

Signal word (CLP) Hazard statements (CLP) Precautionary statements (CLP)

: H319 - Causes serious eye irritation.

: Danger

: P264 - Wash hands thoroughly after handling.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

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2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8 REACH-no: 01-2119485498- 19-XXXX	≥ 25 – < 50	Eye Irrit. 2, H319
Citric acid	CAS-No.: 5949-29-1 EC-No.: 201-069-1 EC Index-No.: 607-750-00-3 REACH-no: 01-2119457026- 42-XXXX	≥ 10 – < 15	Eye Irrit. 2, H319 STOT SE 3, H335
C08-10 Alkyl glucoside	CAS-No.: 68515-73-1 EC-No.: 500-220-1 REACH-no: 01-2119488530- 36-XXXX	≥5-<10	Eye Dam. 1, H318
β -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts	CAS-No.: 90170-43-7 EC-No.: 290-476-8	≥1-<5	Eye Irrit. 2, H319
Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts	CAS-No.: 68439-57-6 EC-No.: 931-534-0	≥1-<5	Skin Irrit. 2, H315 Eye Dam. 1, H318

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
C08-10 Alkyl glucoside	CAS-No.: 68515-73-1 EC-No.: 500-220-1 REACH-no: 01-2119488530- 36-XXXX	(3 ≤ C < 9.99) Eye Irrit. 2, H319 (10 ≤ C < 100) Eye Dam. 1, H318	
Sulfonic acids, C14-16-alkane hydroxy and C14-16- alkene, sodium salts	CAS-No.: 68439-57-6 EC-No.: 931-534-0	(5 ≤ C < 35) Eye Dam. 1, H318 (5 ≤ C < 100) Skin Irrit. 2, H315	

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

SECTION 4: First aid measures

4.1. Description of first aid measures			
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).		
First-aid measures after inhalation	: To our knowledge, the product does not present any particular risk, under normal conditions of use. If the person feels unwell : Move to fresh air.		
First-aid measures after skin contact	: Wash skin with plenty of water.		
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		

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4.2. Most important symptoms and eff	ects, both acute and delayed	
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Causes serious eye irritation. May cause slight irritation. May cause slight irritation to the skin. May cause eye irritation. May cause irritation to the digestive tract. 	

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

Treat symptomatically.

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam.			
5.2. Special hazards arising from the subs	ance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Advice for firefighters				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equip	pment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	: No special requirement . Avoid contact with skin.		
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.		
Measures in case of dust release	: Ventilate area.		
6.1.2. 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			
Avoid direct discharge into drains.			

6.3. Methods and material for containment and cleaning up			
For containment Methods for cleaning up Other information	 Collect spillage. Wash the spillage site with large amounts of water. 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.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling Hygiene measures	 Avoid creating or spreading dust. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities

: Does not require any specific or particular technical measures.

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Storage conditions

: Store in a well-ventilated place. Keep cool.

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	20		; end	use	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

ntrl Probiotic Cleaner Degreaser Sachet
United Kingdom - Occupational Exposure Limits

onited Ringdom - Occupational Exposure Emits	
Remark	Contains no substances with occupational work exposure limits.

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Citric acid (5949-29-1)	
PNEC (Water)	
PNEC aqua (freshwater)	0.44 mg/l
PNEC aqua (marine water)	0.044 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	34.6 mg/kg dwt
PNEC sediment (marine water)	3.46 mg/kg dwt
PNEC (Soil)	
PNEC soil 33.1 mg/kg dwt	
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

No special requirement . Always wash hands after handling the product. Do not open water-soluble inner bag.

8.2.2.1. Eye and face protection

Eye protection:

Eye protection not appliable, due to the product being in a water soluble sachet. Always wash hands after handling the product

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

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Hand protection:

In case of repeated or prolonged contact wear gloves. Always wash hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection: Not necessary with sufficient ventilation

8.2.2.4. Thermal hazards

Thermal hazard protection: Not required.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid unnecessary release to the environment.

Consumer exposure controls:

Avoid dust formation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fine powder in a Water-Soluble Sachet.
Colour	: Green.
Odour	: Pleasant.
Odour threshold	: No data available
рН	: 8-10
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: Easily soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 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.

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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.

SECTION 11: Toxicological information		
11.1 Information on toxicological effects		
Acute toxicity (dermal) : Acute toxicity (inhalation) :	Not classified Not classified Not classified	
Citric acid (5949-29-1)		
LD50 oral	5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 4500 - 6400	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
Sodium Carbonate (497-19-8)		
LD50 oral rat	2800 mg/kg bodyweight Animal: rat	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
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)	
Sulfonic acids, C14-16-alkane hydroxy and C	14-16-alkene, sodium salts (68439-57-6)	
LC50 Inhalation - Rat	> 52 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:	
Skin corrosion/irritation :	Not classified pH: 8 – 10	
Sodium Carbonate (497-19-8)		
рН	≈ 11.6 Concentration: (≈)0,1 other:	
Serious eye damage/irritation :	Causes serious eye damage. pH: 8 – 10	
Sodium Carbonate (497-19-8)		
рН	≈ 11.6 Concentration: (≈)0,1 other:	
Germ cell mutagenicity :	Not classified Not classified Not classified	

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Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)		
NOAEL (chronic, oral, animal/male, 2 years)	≥ 195 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:	
NOAEL (chronic, oral, animal/female, 2 years)	≥ 259 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:	
Reproductive toxicity : STOT-single exposure :	Not classified Not classified	
Citric acid (5949-29-1)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	Not classified	
Citric acid (5949-29-1)		
LOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat	
NOAEL (oral, rat, 90 days)	4000 mg/kg bodyweight Animal: rat	
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)	
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)		
LOAEL (oral, rat, 90 days)	160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEL (oral, rat, 90 days)	43 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
Aspiration hazard :	Not classified	
ntrl Probiotic Cleaner Degreaser Sachet		
Viscosity, kinematic	Not applicable	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Hazardous to the aquatic environment, short-term : (acute) Hazardous to the aquatic environment, long-term : (chronic)	No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. Not classified Not classified
Sodium Carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
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)

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LC50 - Fish [1]	ish [1] ≈ 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Sa gairdneri)	
EC50 - Crustacea [1]	≈ 29 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	≈ 5.5 mg/l Test organisms (species): Chlorella vulgaris	
EC50 72h - Algae [2]	≈ 9.4 mg/l Test organisms (species): Chlorella vulgaris	
NOEC (chronic)	≈ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Sulfonic acids, C14-16-alkane hydrox	y and C14-16-alkene, sodium salts (68439-57-6)	
LC50 - Fish [1]	4.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	4.53 mg/l Test organisms (species): Ceriodaphnia sp.	
EC50 72h - Algae [1]	5.2 mg/l Test organisms (species): Skeletonema costatum	
LOEC (chronic)	20 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	6.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
2.2. Persistence and degradability		
ntrl Probiotic Cleaner Degreaser Sacl	net	
Persistence and degradability	Rapidly degradable	
Citric acid (5949-29-1)		
Persistence and degradability	Not rapidly degradable	
Sodium Carbonate (497-19-8)		

 Persistence and degradability
 Not rapidly degradable

 β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

 Persistence and degradability
 Not rapidly degradable

 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)

Persistence and degradability Not rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

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

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g name		·	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard o	class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			·	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport Not applicable

Inland waterway transport Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. 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)

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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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (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 (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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 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	
ΙΑΤΑ	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	

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Abbreviations and acronyms:		
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	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 Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.