

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

1.1. Product identifier

Product name : ntrl Toilet & Urinal Cleaner (paper soluble sachets)
Product code : BF123
UFI : XNDV-R1HR-F003-U0GK

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Biological product for cleaning and deodorising toilets and urinals.

1.2.2. Uses advised against

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

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
enquiries@jangrohq.net

1.4. Emergency telephone number

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

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for UK law

Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP], as amended for UK law

Hazard pictograms (GB CLP) :



GHS07

Signal word (GB CLP) : Warning
Hazard statements (GB CLP) : H319 - Causes serious eye irritation.
Precautionary statements (GB CLP) : P264 - Wash hands thoroughly after handling.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical attention.

2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT criteria of UK REACH regulation, annex XIII

This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

Results of Endocrine Disruptor assessment

The substance is not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP

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], as amended for UK law
Sodium Carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8	≥ 40 – < 50	Eye Irrit. 2, H319
Citric acid	CAS-No.: 5949-29-1 EC-No.: 201-069-1	≥ 10 – < 20	Eye Irrit. 2, H319 STOT SE 3, H335
Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast <i>Starmerella bombicola</i> , partially hydrolysed, sodium salts	CAS-No.: 2102535-74-8 EC-No.: 955-731-6 UK Index-No.: UK-REACH: 01-3687003043-8-XXXX	≥ 3 – < 5	Eye Irrit. 2, H319

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 breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
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	: Rinse mouth out with water. Call a POISON CENTER/doctor if you feel unwell.
Self protection of the first-aiders	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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

Symptoms/effects	: Causes serious eye irritation.
Symptoms/effects after inhalation	: May cause slight irritation.
Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam.

5.2. Special hazards arising from the substance or 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 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 equipment and emergency procedures

General measures : Always wash hands after handling the product.

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 unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Wash the spillage site with large amounts 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid creating or spreading dust.
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Store in a dry place. Store in a closed container. Keep cool.
Incompatible products : Strong acids. Strong alkalis.

7.3. Specific end use(s)

All Surface Cleaner.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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

Sodium Carbonate (497-19-8)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	10 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	10 mg/m³
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.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Eye protection not applicable. Avoid contact with eyes. Always wash hands after handling the product

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8.2.2.2. Skin protection

Skin and body protection:

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

Hand protection:

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

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Type C	Nitrile rubber (NBR)	1 (> 10 minutes)			EN ISO 374
Reusable gloves, Type A	Nitrile rubber (NBR)	2 (> 30 minutes)	>0.38mm		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not required.

8.2.3. Environmental exposure controls

No additional information available

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.
Odour	: Pleasant.
Odour threshold	: Not available
pH	: 8 1% diluted in water
pH solution	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not applicable
Flammability	: Not available
Explosive limits	: Not applicable
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not applicable
Relative density	: Not available
Density	: 1.05 – 1.1 @ 20°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Explosive properties	: Product is not explosive
Oxidising properties	: Not oxidising.

9.2. Other information

VOC content	: NO VOC Content
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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 of use. Do not mix with other products.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Store away from heat/moisture.

10.5. Incompatible materials

Strong alkalis. Strong bases.

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 hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK Law.

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

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:

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)

Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast <i>Starmerella bombicola</i> , partially hydrolysed, sodium salts (2102535-74-8)	
LD50 oral	14089.95 mg/kg Animal: mouse, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 11060 - 14130
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8 1% diluted in water

Sodium Carbonate (497-19-8)	
pH	≈ 11.6 Concentration: (≈)0,1 other:
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8 1% diluted in water

Sodium Carbonate (497-19-8)	
pH	≈ 11.6 Concentration: (≈)0,1 other:
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

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Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Citric acid (5949-29-1)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

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

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

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.

Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast Starmerella bombicola, partially hydrolysed, sodium salts (2102535-74-8)

LC50 - Fish [1] 85 mg/l

EC50 - Other aquatic organisms [1] 193 mg/l Daphnia, Daphnia magna

EC50 - Other aquatic organisms [2] 101.7 mg/l Daphnia, Daphnia magna

EC50 72h - Algae [1] 72.2 mg/l Algae, Raphidocelis subcapitata

EC50 72h - Algae [2] 25.1 mg/l Algae, Raphidocelis subcapitata

NOEC chronic crustacea 101.7 mg/l Daphnia, Daphnia magna 48 hours

12.2. Persistence and degradability

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Persistence and degradability Not expected to persist. Constituent ingredients are biodegradable where applicable.

Sodium Carbonate (497-19-8)

Persistence and degradability The product is inorganic so can not be biodegradable, however it is expected to degrade or disassociate.

Citric acid (5949-29-1)

Persistence and degradability Readily biodegradable.

Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast Starmerella bombicola, partially hydrolysed, sodium salts (2102535-74-8)

Persistence and degradability Readily biodegradable (OECD 301).

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Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast Starmerella bombicola, partially hydrolysed, sodium salts (2102535-74-8)

Additional information	OECD 301 B readily biodegradable, within 28 days
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not potentially bioaccumulable.
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Sodium Carbonate (497-19-8)

Bioaccumulative potential	Not potentially bioaccumulable.
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Citric acid (5949-29-1)

Bioaccumulative potential	Not potentially bioaccumulable.
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Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast Starmerella bombicola, partially hydrolysed, sodium salts (2102535-74-8)

Bioaccumulative potential	Not expected to Bioaccumulate.
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12.4. Mobility in soil

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Additional information	Soluble in water
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12.5. Results of PBT and vPvB assessment

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This substance does not meet the PBT criteria of UK REACH regulation, annex XIII

This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

Component

Sodium Carbonate (497-19-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
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Citric acid (5949-29-1)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
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Sophorolipids: fermentation products of glucose and (unsaturated), glycerol esters with yeast Starmerella bombicola, partially hydrolysed, sodium salts (2102535-74-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
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12.6. Endocrine disrupting properties

Other adverse effects	: No adverse affects known.
Ozone	: Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
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SECTION 14: Transport information

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

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport document description				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard 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 hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

Not applicable.

UK REACH Candidate List (SVHC)

Not applicable.

GB PIC Regulation (Prior Informed Consent)

Not applicable.

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POP Regulation (Persistent Organic Pollutants)

Not applicable.

Ozone Regulation (S.I. No. 168 of 2015)

Not applicable.

Control of Poisons and Explosives Precursors Act

Not applicable.

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other information

VOC content : NO VOC Content

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Safety Data Sheet (SDS), UK

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.