

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

### 1.1. Product identifier

Product form : Mixture  
Product name : ntrl Probiotic Toilet Cleaner 1L  
Product code : BF021-1

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

#### Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Toilet and Urinal Cleaner

#### Uses advised against

Restrictions on use : Not for oral consumption, Not for direct application to food stuffs.

### 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](mailto:enquiries@jangrohq.net)

### 1.4. Emergency telephone number

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

| Country/Area   | Organisation/Company                                     | Address                                  | Emergency number                                                                                       | Comment          |
|----------------|----------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                  |
| United Kingdom | NHS 111/NHS 24/NHS Direct                                |                                          | 111<br>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]

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, the product does not present any particular risk, under normal conditions of use. Presents no particular risk to the environment.

### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

No labelling applicable

### 2.3. Other hazards

This mixture is not considered to be persistent, bioaccumulating and toxic (PBT)

This mixture is not considered to be persistent, bioaccumulating and toxic (PVB)

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

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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 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name                                                                                        | Product identifier                                                           | %              | Classification according to Regulation (EC) No. 1272/2008 [CLP]    |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------|
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO)              | CAS-No.: 68891-38-3<br>EC-No.: 500-234-8<br>REACH-no: 01-2119488639-16-XXXX  | $\geq 3 - < 5$ | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts | CAS-No.: 147170-44-3<br>EC-No.: 931-296-8<br>REACH-no: 01-2119489410-39-XXXX | $\geq 1 - < 3$ | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                        |

#### Specific concentration limits:

| Name                                                                                        | Product identifier                                                           | Specific concentration limits (%)                                                 |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO)              | CAS-No.: 68891-38-3<br>EC-No.: 500-234-8<br>REACH-no: 01-2119488639-16-XXXX  | ( $5 \leq C < 9.9$ ) Eye Irrit. 2; H319<br>( $10 \leq C < 100$ ) Eye Dam. 1; H318 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts | CAS-No.: 147170-44-3<br>EC-No.: 931-296-8<br>REACH-no: 01-2119489410-39-XXXX | ( $4 \leq C < 9.9$ ) Eye Irrit. 2; H319<br>( $10 \leq C < 100$ ) Eye Dam. 1; H318 |

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. Remove person to fresh air and keep 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.                                                                                                    |

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

|                                     |                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : To our knowledge, the product does not present any particular risk, under normal conditions of use. |
| Symptoms/effects after inhalation   | : To our knowledge, the product does not present any particular risk, under normal conditions of use. |
| Symptoms/effects after skin contact | : To our knowledge, the product does not present any particular risk, under normal conditions of use. |
| Symptoms/effects after eye contact  | : May cause slight irritation to eyes.                                                                |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.                                                        |

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### 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 : 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.

#### 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 : Not applicable (aqueous liquid).

#### 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

No special environmental precautions required.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Stop leak without risks if possible.  
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 : Not expected to present a significant hazard under anticipated conditions of normal use.  
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.

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### 7.3. Specific end use(s)

Toilet & Urinal Cleaning Liquid.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| ntrl Probiotic Toilet Cleaner 1L ( )          |                                                                |
|-----------------------------------------------|----------------------------------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                                                |
| Remark                                        | Contains no substances with occupational work exposure limits. |

#### DNEL and PNEC

| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts (147170-44-3) |                           |
|-----------------------------------------------------------------------------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                                                                                       |                           |
| Long-term - systemic effects, dermal                                                                      | 12.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                                                  | 44 mg/m <sup>3</sup>      |
| DNEL/DMEL (General population)                                                                            |                           |
| Long-term - systemic effects, oral                                                                        | 7.5 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                                                                  | 13.04 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal                                                                      | 7.5 mg/kg bodyweight/day  |
| PNEC (Water)                                                                                              |                           |
| PNEC aqua (freshwater)                                                                                    | 0.0135 mg/l               |
| PNEC aqua (marine water)                                                                                  | 0.00135 mg/l              |
| PNEC (Sediment)                                                                                           |                           |
| PNEC sediment (freshwater)                                                                                | 11.1 mg/kg dwt            |
| PNEC sediment (marine water)                                                                              | 1.11 mg/kg dwt            |
| PNEC (Soil)                                                                                               |                           |
| PNEC soil                                                                                                 | 0.85 mg/kg dwt            |
| PNEC (STP)                                                                                                |                           |
| PNEC sewage treatment plant                                                                               | 3000 mg/l                 |
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3)               |                           |
| DNEL/DMEL (Workers)                                                                                       |                           |
| Long-term - systemic effects, dermal                                                                      | 2750 mg/kg bodyweight/day |
| Long-term - local effects, dermal                                                                         | 132 µg/cm <sup>2</sup>    |
| Long-term - systemic effects, inhalation                                                                  | 175 mg/m <sup>3</sup>     |
| DNEL/DMEL (General population)                                                                            |                           |
| Long-term - systemic effects, oral                                                                        | 15 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation                                                                  | 52 mg/m <sup>3</sup>      |
| Long-term - systemic effects, dermal                                                                      | 1650 mg/kg bodyweight/day |
| Long-term - local effects, dermal                                                                         | 79 µg/cm <sup>2</sup>     |

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| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3) |                 |
|---------------------------------------------------------------------------------------------|-----------------|
| <b>PNEC (Water)</b>                                                                         |                 |
| PNEC aqua (freshwater)                                                                      | 0.24 mg/l       |
| PNEC aqua (marine water)                                                                    | 0.024 mg/l      |
| PNEC aqua (intermittent, freshwater)                                                        | 0.071 mg/l      |
| <b>PNEC (Sediment)</b>                                                                      |                 |
| PNEC sediment (freshwater)                                                                  | 0.9168 mg/kg dw |
| PNEC sediment (marine water)                                                                | 0.0917 mg/kg dw |
| <b>PNEC (Soil)</b>                                                                          |                 |
| PNEC soil                                                                                   | 7.5 mg/kg dw    |
| <b>PNEC (STP)</b>                                                                           |                 |
| PNEC sewage treatment plant                                                                 | 10 g/l          |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

No special requirement.

### Personal protection equipment

#### Personal protective equipment:

Eye protection not applicable. Avoid contact with eyes.

#### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Eye protection not applicable. Avoid contact with eyes

### Skin protection

#### Skin and body protection:

No special requirement

#### 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 |

### Other skin protection

#### Materials for protective clothing:

Not applicable.

### Respiratory protection

#### Respiratory protection:

No respiratory protection needed under normal use conditions

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### Thermal hazards

#### Thermal hazard protection:

Not required.

### Environmental exposure controls

#### Environmental exposure controls:

This product does not present any particular risk for the environment.

#### Consumer exposure controls:

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                      |
|-------------------------------------------------|----------------------|
| Physical state                                  | : Liquid             |
| Colour                                          | : Green.             |
| Appearance                                      | : Viscous liquid.    |
| Odour                                           | : Pleasant.          |
| Odour threshold                                 | : Not available      |
| Melting point                                   | : Not applicable     |
| Freezing point                                  | : Not available      |
| Boiling point                                   | : Not available      |
| Flammability                                    | : Not flammable      |
| Lower explosion limit                           | : Not available      |
| Upper explosion limit                           | : Not available      |
| Flash point                                     | : Not available      |
| Auto-ignition temperature                       | : Not available      |
| Decomposition temperature                       | : Not available      |
| pH                                              | : 6 – 7              |
| Viscosity, kinematic                            | : Not available      |
| Solubility                                      | : Soluble in water.  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available      |
| Vapour pressure                                 | : Not available      |
| Vapour pressure at 50°C                         | : Not available      |
| Density                                         | : 1.03 – 1.04 @ 20°C |
| Relative density                                | : Not available      |
| Relative vapour density at 20°C                 | : Not available      |
| Particle characteristics                        | : 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.

### 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).

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### 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 hazard classes as defined in Regulation (EC) No 1272/2008

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

#### Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3)

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)                               |
| LD50 dermal rat | ≥ 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: |

Skin corrosion/irritation : Not classified  
pH: 6 – 7  
Serious eye damage/irritation : Not classified  
pH: 6 – 7  
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

#### Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3)

|                            |                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days) | 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:    |
| NOAEL (oral, rat, 90 days) | > 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other: |

Aspiration hazard : Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 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

#### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts (147170-44-3)

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| LC50 - Fish [1]      | 1.11 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 6.5 mg/l Test organisms (species): Daphnia magna        |
| EC50 72h - Algae [1] | 1.5 mg/l Fresh water                                    |

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| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3) |                                                                                                           |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                                                             | 7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                         |
| EC50 - Crustacea [1]                                                                        | 7.4 mg/l Test organisms (species): Daphnia magna                                                          |
| EC50 72h - Algae [1]                                                                        | 27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)      |
| NOEC (chronic)                                                                              | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                        |
| NOEC chronic fish                                                                           | 0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |

### 12.2. Persistence and degradability

| ntrl Probiotic Toilet Cleaner 1L                                                                          |                        |
|-----------------------------------------------------------------------------------------------------------|------------------------|
| Persistence and degradability                                                                             | Readily biodegradable. |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts (147170-44-3) |                        |
| Persistence and degradability                                                                             | Readily biodegradable. |
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3)               |                        |
| Persistence and degradability                                                                             | Readily biodegradable. |

### 12.3. Bioaccumulative potential

| ntrl Probiotic Toilet Cleaner 1L                                                                          |                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Bioaccumulative potential                                                                                 | The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected. |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts (147170-44-3) |                                                                                                                  |
| Bioaccumulative potential                                                                                 | Not expected to Bioaccumulate.                                                                                   |
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3)               |                                                                                                                  |
| Bioaccumulative potential                                                                                 | Not expected to Bioaccumulate.                                                                                   |

### 12.4. Mobility in soil

| ntrl Probiotic Toilet Cleaner 1L |                  |
|----------------------------------|------------------|
| Additional information           | Soluble in water |

### 12.5. Results of PBT and vPvB assessment

| ntrl Probiotic Toilet Cleaner 1L                                                 |  |
|----------------------------------------------------------------------------------|--|
| This mixture is not considered to be persistent, bioaccumulating and toxic (PBT) |  |
| This mixture is not considered to be persistent, bioaccumulating and toxic (PVB) |  |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7. Other adverse effects

Other adverse effects : No adverse effects known.



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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

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| 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. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 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)

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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 (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 (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)

### National regulations

UK HSE EH40 workplace exposure limits  
Regulation (EC) 1907/2006 - REACH (UK amended)

## 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                                                     |
| 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                                                        |

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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                                                  |
| 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 Abstract Service number                                             |
| N.O.S.                      | Not Otherwise Specified                                                      |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disruptor                                                          |

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| H315                                | Causes skin irritation.                                           |
| H318                                | Causes serious eye damage.                                        |
| H319                                | Causes serious eye irritation.                                    |
| H412                                | Harmful to aquatic life with long lasting effects.                |

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.