

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

Revision date 10-Apr-2026

Revision Number 1

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

### 1.1. Product identifier

Product Code(s) 128361  
Safety data sheet number 128361  
Product Name DANOX PEARL GS  
Pure substance/mixture Mixture

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

Recommended use Cosmetics

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com  
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

### 1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                                   |                     |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
|-----------------------------------|---------------------|

### 2.2. Label elements



**Signal word**

Warning

**Hazard statements**

H319 - Causes serious eye irritation

EUH208 - Contains BENZYL ALCOHOL. May produce an allergic reaction.

**Precautionary statements**

P280 - Wear eye protection/ face protection

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

**Unknown aquatic toxicity**

Contains 0 % of components with unknown hazards to the aquatic environment.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name                                                                                                                                           | Weight-%        | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL)                | M-Factor | M-Factor (long-term) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|------------------------------|--------------------------------------------------------------|---------------------------------------------------|----------|----------------------|
| 1-PROPANAMINIUM,<br>M,<br>3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS.,<br>HYDROXIDES,<br>INNER SALTS<br>1334422-09-1 | >= 5 - <= 7.6 % | 931-513-6           | -                            | Aquatic Chronic 3 (H412)<br>Eye Dam. 1 (H318)                | Eye Dam. 1 :: C>=10%<br>Eye Irrit. 2 :: 4%<=C<10% | -        | -                    |
| C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS<br>-    | >= 2.5 - <= 5 % | 701-129-1           | -                            | Eye Irrit. 2 (H319)                                          | -                                                 | -        | -                    |

|                            |                   |                                 |   |                                                                    |   |   |   |
|----------------------------|-------------------|---------------------------------|---|--------------------------------------------------------------------|---|---|---|
| BENZYL ALCOHOL<br>100-51-6 | >= 0.5 - <<br>1 % | 202-859-9<br>(603-057-00<br>-5) | - | Acute Tox. 4 (H302)<br>Eye Irrit. 2 (H319)<br>Skin Sens. 1B (H317) | - | - | - |
|----------------------------|-------------------|---------------------------------|---|--------------------------------------------------------------------|---|---|---|

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                         | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention immediately if symptoms occur. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.                                                                                                                                                                   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Skin contact</b>                       | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ingestion</b>                          | Rinse mouth thoroughly with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention immediately if symptoms occur. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Self-protection of the first aider</b> | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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

|                 |                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. May cause an allergic skin reaction. |
| <b>Eyes</b>     | Causes serious eye irritation. Overexposure may cause the following adverse effects. Pain. Irritation. Watering. Redness.                             |

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

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Note to doctors</b> | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| <b>Suitable Extinguishing Media</b> | Dry chemical, CO2, alcohol-resistant foam or water spray. |
|-------------------------------------|-----------------------------------------------------------|

**Large Fire**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**

Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture****Specific hazards arising from the chemical**

When heated and in case of fire, toxic vapours/gases may be formed. Containers can burst violently when heated, due to excess pressure build-up.

**Hazardous combustion products**

Carbon oxides.

**5.3. Advice for firefighters****Special protective equipment and precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. No action shall be taken involving any personal risk or without suitable training. Evacuate personnel to safe areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. In case of inadequate ventilation wear respiratory protection.

**Other information**

Refer to protective measures listed in Sections 7 and 8.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions****Environmental precautions**

See Section 12 for additional Ecological Information.

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

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Stop leak if possible without any risk. Move containers from fire area if you can do it without risk. Keep upwind. Prevent entry into sewers, water courses, basements or confined areas. After cleaning, flush away traces with water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections****Reference to other sections**

See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Do not swallow. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not

re-use container.

#### General hygiene considerations

Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. See section 10 for more information. Keep away from food, drink and animal feedingstuffs. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers. Use appropriate containment to avoid environmental contamination.

#### 7.3. Specific end use(s)

##### Specific use(s)

See section 1 for more information.

##### Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

##### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

#### Derived No Effect Level (DNEL) - Workers

| Chemical name                                                                                                                                        | Oral | Dermal                                                                       | Inhalation                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1-PROPANAMINIUM,<br>3-AMINO-N-(CARBOXYMETHYL)-N,N<br>DIMETHYL-,N-(C12-18(EVEN<br>NUMBERED) ACYL) DERIVS.,<br>HYDROXIDES, INNER SALTS<br>1334422-09-1 |      | 12.5 mg/kg/day [4] [6]                                                       | 44 mg/m <sup>3</sup> [4] [6]                                  |
| BENZYL ALCOHOL<br>100-51-6                                                                                                                           |      | 8 mg/kg bw/day [4] [6]<br>40 mg/kg bw/day [4] [6]<br>40 mg/kg bw/day [4] [7] | 22 mg/m <sup>3</sup> [4] [6]<br>110 mg/m <sup>3</sup> [4] [7] |

[4]

Systemic health effects.

[6]

Long term.

[7]

Short term.

#### Derived No Effect Level (DNEL) - General Public

| Chemical name    | Oral                  | Dermal                | Inhalation                      |
|------------------|-----------------------|-----------------------|---------------------------------|
| 1-PROPANAMINIUM, | 7.5 mg/kg/day [4] [6] | 7.5 mg/kg/day [4] [6] | 13.04 mg/m <sup>3</sup> [4] [6] |

| Chemical name                                                                                                           | Oral                                              | Dermal                                            | Inhalation                                                    |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|
| 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS<br>1334422-09-1 |                                                   |                                                   |                                                               |
| BENZYL ALCOHOL<br>100-51-6                                                                                              | 20 mg/kg bw/day [4] [7]<br>4 mg/kg bw/day [4] [6] | 20 mg/kg bw/day [4] [7]<br>4 mg/kg bw/day [4] [6] | 27 mg/m <sup>3</sup> [4] [7]<br>5.4 mg/m <sup>3</sup> [6] [7] |

[4] Systemic health effects.  
 [6] Long term.  
 [7] Short term.

#### Predicted No Effect Concentration (PNEC)

| Chemical name                                                                                                                                        | Freshwater  | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|--------------|----------------------------------------|-----|
| 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS<br>1334422-09-1             | 0.0135 mg/l |                                      | 0.00135 mg/l |                                        |     |
| C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS<br>- | 0.176 mg/l  |                                      | 0.002 mg/l   |                                        |     |
| BENZYL ALCOHOL<br>100-51-6                                                                                                                           | 1 mg/l      | 2.3 mg/l                             | 0.102 mg/l   |                                        |     |

| Chemical name                                                                                                                            | Freshwater<br>sediment | Marine sediment | Sewage treatment | Soil      | Food chain |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|------------------|-----------|------------|
| 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS<br>1334422-09-1 | 1 mg/kg                | 0.1 mg/kg       | 3000 mg/L        | 0.8 mg/kg | 3000 mg/l  |
| C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL                                                     | 2.127 mg/l             | 2.127 mg/l      |                  |           | 16.45 mg/l |

| Chemical name                                                            | Freshwater sediment       | Marine sediment            | Sewage treatment | Soil                | Food chain |
|--------------------------------------------------------------------------|---------------------------|----------------------------|------------------|---------------------|------------|
| GLYCOSIDES,<br>OLIGOMERIC,<br>CARBOXYMETHYL<br>ETHERS, SODIUM SALTS<br>- |                           |                            |                  |                     |            |
| BENZYL ALCOHOL<br>100-51-6                                               | 5.27 mg/kg<br>sediment dw | 0.527 mg/kg<br>sediment dw | 39 mg/l          | 0.456 mg/kg soil dw |            |

## 8.2. Exposure controls

**Engineering controls** No information available.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN ISO 16321-1.

**Hand protection** Wear suitable gloves. Gloves must conform to standard EN 374.

| Gloves              |                          |                 |                    |
|---------------------|--------------------------|-----------------|--------------------|
| Duration of contact | PPE - Glove material     | Glove thickness | Break through time |
|                     | Polyvinyl chloride (PVC) |                 | 8 hours            |

**Skin and body protection** Wear appropriate clothing to prevent reasonably probable skin contact.

**Respiratory protection** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**General hygiene considerations** Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8.

**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

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

**Physical state** Liquid  
**Appearance** Liquid Paste  
**Colour** white  
**Odour** Characteristic.  
**Odour threshold** No information available

| Property                                | Values  |
|-----------------------------------------|---------|
| Melting point / freezing point          | > 60 °C |
| Initial boiling point and boiling range | > 95 °C |
| Flammability                            |         |
| Flammability Limit in Air               |         |
| Upper flammability or explosive         |         |

### Remarks • Method

No information available.  
No information available.

|                                        |                          |                           |
|----------------------------------------|--------------------------|---------------------------|
| limits                                 |                          |                           |
| Lower flammability or explosive limits |                          |                           |
| Flash point                            | > 100 °C                 | CC (closed cup).          |
| Autoignition temperature               |                          | No information available. |
| Decomposition temperature              |                          | No information available. |
| pH                                     | 6 - 7                    | solution (100 %).         |
| pH (as aqueous solution)               |                          | No information available. |
| Kinematic viscosity                    | 0 mm <sup>2</sup> /s     | @ 40 °C.                  |
| Dynamic viscosity                      | < 20000 cP               |                           |
| Water solubility                       | No data available        | No information available. |
| Solubility(ies)                        |                          | No information available. |
| Partition coefficient                  |                          | Not applicable.           |
| Vapour pressure                        |                          | No information available. |
| Relative density                       | 0.95 - 1.05              | @ 20 °C.                  |
| Bulk density                           |                          | No information available  |
| Liquid Density                         | No information available | No information available  |
| Relative vapour density                |                          | No information available. |
| Particle characteristics               |                          | Not applicable.           |
| Particle Size                          | No information available |                           |
| Particle Size Distribution             | No information available |                           |
| Explosive properties                   | No information available |                           |
| Oxidising properties                   | No information available |                           |

## 9.2. Other information

# SECTION 10: Stability and reactivity

## 10.1. Reactivity

**Reactivity** No specific test data related to reactivity available for this product or its ingredients.

## 10.2. Chemical stability

**Stability** Stable under normal conditions.

## Explosion data

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

## 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.

## 10.4. Conditions to avoid

**Conditions to avoid** None known based on information supplied.

## 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Information on likely routes of exposure**Product Information**

|                     |                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Inhalation of vapours in high concentration may cause irritation of respiratory system.                                                                                                 |
| <b>Eye contact</b>  | Causes serious eye irritation. Overexposure may cause the following adverse effects. Pain. Irritation. Watering eyes. Redness.                                                          |
| <b>Skin contact</b> | The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. May cause an allergic skin reaction. May cause slight skin irritation. |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                                                                                                                                                      |

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**Component Information**

| Chemical name                                                                                                                                   | Oral LD50            | Dermal LD50             | Inhalation LC50                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|--------------------------------------------------|
| 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,NDIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS                         | 2430 mg/kg ( Rat )   | -                       | -                                                |
| C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS | > 2000 mg/kg ( Rat ) | > 2000 mg/kg ( Rat )    | -                                                |
| BENZYL ALCOHOL                                                                                                                                  | = 1230 mg/kg         | > 2000 mg/kg ( Rabbit ) | > 4178 mg/m <sup>3</sup> ( Rat ) 4 h<br>1.5 mg/l |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,NDIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                            |
|--------|---------|----------------|----------------|---------------|------------------------------------|
|        | Rabbit  | Dermal         |                |               | Erythema/Eschar<br>Product score 0 |
|        | Rabbit  | Dermal         |                |               | edema<br>Product score 0           |

BENZYL ALCOHOL (100-51-6)

| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
|----------|---------|----------------|----------------|---------------|--------------|
| OECD 404 | Rabbit  | Dermal         |                | 4 hours       | non-irritant |

**Serious eye damage/eye irritation** Causes serious eye irritation.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                                                                    |
|--------|---------|----------------|----------------|---------------|------------------------------------------------------------------------------------------------------------|
|        | Rabbit  |                |                |               | Causes serious eye damage May cause permanent damage if eye is not immediately irrigated. Causes eye burns |

C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS (-)

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results                                                                                 |
|---------------------------------------------------|---------|----------------|----------------|---------------|-----------------------------------------------------------------------------------------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | Cornea opacity<br>Product score 0.7<br>Fully reversible in more than 7 days.            |
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | Iris lesion<br>Product score 0.7<br>Fully reversible in more than 7 days.               |
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | Edema of the conjunctivae<br>Product score 1.4<br>Fully reversible in more than 7 days. |
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | Redness of the conjunctivae<br>Product score 2<br>Fully reversible in more than 7 days. |

BENZYL ALCOHOL (100-51-6)

| Method   | Species | Exposure route | Effective dose | Exposure time | Results                       |
|----------|---------|----------------|----------------|---------------|-------------------------------|
| OECD 405 | Rabbit  | eye            |                | 24 hours      | Causes serious eye irritation |

**Respiratory or skin sensitisation** The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. May cause an allergic skin reaction.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method | Species    | Exposure route | Results          |
|--------|------------|----------------|------------------|
|        | Guinea pig | Dermal         | Non-sensitizing. |

BENZYL ALCOHOL (100-51-6)

| Method                                | Species    | Exposure route | Results                                                   |
|---------------------------------------|------------|----------------|-----------------------------------------------------------|
| OECD Test No. 406: Skin Sensitisation | Guinea pig | Dermal         | Sensitising                                               |
|                                       |            |                | No signs of respiratory sensitization have been reported. |

**Germ cell mutagenicity** No information available.

## Component Information

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method                                                               | Species          | Results  |
|----------------------------------------------------------------------|------------------|----------|
| OECD Test No. 471: Bacterial Reverse Mutation Test                   | Bacteria         | Negative |
| EU EC B.13/14 Mutagenicity - Reverse Mutation Testing using Bacteria | Bacteria         | Negative |
| OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test           | Mammalian-Animal | Negative |
| In vitro mammalian cell gene mutation test                           | Mammalian-Animal | Negative |

C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS (-)

| Method                                                           | Species                   | Results  |
|------------------------------------------------------------------|---------------------------|----------|
| OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test | in vitro Mammalian-Animal | Negative |

BENZYL ALCOHOL (100-51-6)

| Method                                                     | Species   | Results  |
|------------------------------------------------------------|-----------|----------|
| OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test | Mouse     | Negative |
| OECD Test No. 471: Bacterial Reverse Mutation Test         | Ames Test | Negative |

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method         | Species     | Endpoint type | Effective dose | Exposure time | Results |
|----------------|-------------|---------------|----------------|---------------|---------|
| Acute toxicity | Daphnia sp. | EC50          | 1.9 mg/L       | 48 hours      |         |

|                                              |               |      |            |          |  |
|----------------------------------------------|---------------|------|------------|----------|--|
| Acute toxicity                               | Algae         | EC50 | 2.4 mg/L   | 72 hours |  |
| OECD Test No. 203: Fish, Acute Toxicity Test | Fish          | LC50 | 1.11 mg/L  | 96 hours |  |
| Chronic toxicity                             | Daphnia magna | NOEC | 0.3 mg/L   | 21 hours |  |
| Chronic toxicity                             | Algae         | NOEC | 0.6 mg/L   | 72 hours |  |
| Chronic toxicity                             | Fish          | NOEC | 0.135 mg/L | 100 days |  |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS (1334422-09-1)

| Method                                                                              | Exposure time | Value                 | Results               |
|-------------------------------------------------------------------------------------|---------------|-----------------------|-----------------------|
| OECD Test No. 306: Biodegradability in Seawater                                     | 28 days       | Biodegradation > 60 % | Readily biodegradable |
| EPA OPPTS 835.3120 (Sealed Vessel Carbon Dioxide Production Test) and ISO/DIS 14593 | 28 days       | Biodegradation > 60 % | Readily biodegradable |

C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC AND C12-14 (EVEN NUMBERED) ALKYL GLYCOSIDES, OLIGOMERIC, CARBOXYMETHYL ETHERS, SODIUM SALTS (-)

| Method                                                                    | Exposure time | Value                 | Results               |
|---------------------------------------------------------------------------|---------------|-----------------------|-----------------------|
| OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B) | 28 days       | Biodegradation > 68 % | Readily biodegradable |

BENZYL ALCOHOL (100-51-6)

| Method                                                                        | Exposure time | Value                 | Results               |
|-------------------------------------------------------------------------------|---------------|-----------------------|-----------------------|
| OECD Test No. 301A: Ready Biodegradability: DOC Die-Away Test (TG 301 A)      | 21 days       | 95-97% Biodegradation | Readily biodegradable |
| OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C) | 28 days       | 92-96% Biodegradation | Readily biodegradable |

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### Component Information

| Chemical name                                                                                                            | Partition coefficient |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS | 4.2                   |
| BENZYL ALCOHOL                                                                                                           | 1.1                   |

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name    | PBT and vPvB assessment         |
|------------------|---------------------------------|
| 1-PROPANAMINIUM, | The substance is not PBT / vPvB |

|                                                                                                         |                                 |
|---------------------------------------------------------------------------------------------------------|---------------------------------|
| 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS |                                 |
| BENZYL ALCOHOL                                                                                          | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

|                                            |                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.                                                                                  |

**SECTION 14: Transport information****IATA**

|                                          |               |
|------------------------------------------|---------------|
| <b>14.1 UN number or ID number</b>       | Not regulated |
| <b>14.2 UN proper shipping name</b>      | Not regulated |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated |
| <b>14.4 Packing group</b>                | Not regulated |
| <b>14.5 Environmental hazards</b>        | No            |
| <b>14.6 Special precautions for user</b> |               |
| <b>Special Provisions</b>                | None          |

**IMDG**

|                                                                     |                          |
|---------------------------------------------------------------------|--------------------------|
| <b>14.1 UN number or ID number</b>                                  | Not regulated            |
| <b>14.2 UN proper shipping name</b>                                 | Not regulated            |
| <b>14.3 Transport hazard class(es)</b>                              | Not regulated            |
| <b>14.4 Packing group</b>                                           | Not regulated            |
| <b>14.5 Environmental hazards</b>                                   | No                       |
| <b>14.6 Special precautions for user</b>                            |                          |
| <b>Special Provisions</b>                                           | None                     |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | No information available |

**RID**

|                                          |               |
|------------------------------------------|---------------|
| <b>14.1 UN number or ID number</b>       | Not regulated |
| <b>14.2 UN proper shipping name</b>      | Not regulated |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated |
| <b>14.4 Packing group</b>                | Not regulated |
| <b>14.5 Environmental hazards</b>        | No            |
| <b>14.6 Special precautions for user</b> |               |
| <b>Special Provisions</b>                | None          |

**ADR**

|                                          |               |
|------------------------------------------|---------------|
| <b>14.1 UN number or ID number</b>       | Not regulated |
| <b>14.2 UN proper shipping name</b>      | Not regulated |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated |
| <b>14.4 Packing group</b>                | Not regulated |
| <b>14.5 Environmental hazards</b>        | No            |
| <b>14.6 Special precautions for user</b> |               |
| <b>Special Provisions</b>                | None          |

## SECTION 15: Regulatory information

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

#### National regulations

##### **Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

##### **Persistent Organic Pollutants**

Not applicable

##### **Export Notification requirements**

Not applicable

##### **Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

##### **The Ozone-Depleting Substances Regulations 2015**

Not applicable

##### **The Biocidal Products Regulations 2001 (as amended)**

Not applicable

##### **The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

##### **Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

#### International Inventories

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDL</b>       | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECI</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status |

#### Legend:

|                      |                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------|
| <b>TSCA</b>          | - United States Toxic Substances Control Act Section 8(b) Inventory                                |
| <b>DSL/NDL</b>       | - Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| <b>EINECS/ELINCS</b> | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| <b>ENCS</b>          | - Japan Existing and New Chemical Substances                                                       |
| <b>IECSC</b>         | - China Inventory of Existing Chemical Substances                                                  |
| <b>KECL</b>          | - Korean Existing and Evaluated Chemical Substances                                                |
| <b>PICCS</b>         | - Philippines Inventory of Chemicals and Chemical Substances                                       |
| <b>AIIC</b>          | - Australian Inventory of Industrial Chemicals                                                     |
| <b>NZIoC</b>         | - New Zealand Inventory of Chemicals                                                               |

### 15.2. Chemical safety assessment

#### **Chemical Safety Report**

This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H412 - Harmful to aquatic life with long lasting effects

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

#### Legend Section 8: Exposure controls/personal protection

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note \*\*\*Indicates updated data since last publication

#### Classification procedure

| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
|-----------------------------------------------------------------|--------------------|
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**