

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

### 1.1. Product identifier

Product form : Mixture  
Product name : e-Surface X Concentrate  
Product code(s) : 160524, 160542, 160525

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : All-in-one multi surface cleaner

#### 1.2.2. Uses advised against

No additional information available

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

#### Australian Supplier

ABCO PRODUCTS PTY LTD  
44 John Street  
Bentley WA 6102  
Australia  
1800 177 399  
[abcopro.com.au](http://abcopro.com.au)

#### New Zealand Supplier

PROQUIP NZ LTD  
47 Fitzherbert Street  
Petone, Wellington  
0800 277 678

### 1.4. Emergency telephone number

Australia: :13 11 26 (Poisons Information Centre)

New Zealand: :0800 764 766 (National Poison Centre)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

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

Causes eye irritation. Presents no particular risk to the environment.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection when handling product concentrate.

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.

### 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)

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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 is 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

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                   | Product identifier  | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------|---|------------|---|
| C08-10 Alkyl glucoside | CAS-No.: 68515-73-1<br>EC-No.: 500-220-1<br>REACH-no: 01-2119488530-36-XXXX | ≥ 1 – < 10 | Eye Dam. 1, H318  |

#### Specific concentration limits:

| Name                   | Product identifier  | Specific concentration limits  |
|------------------------|---|--|
| C08-10 Alkyl glucoside | CAS-No.: 68515-73-1<br>EC-No.: 500-220-1<br>REACH-no: 01-2119488530-36-XXXX | ( 3 ≤C < 9.99) Eye Irrit. 2, H319<br>( 10 ≤C < 100) Eye Dam. 1, H318 |

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

#### Non-hazardous ingredients to 100%

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : If you feel unwell, seek medical advice.   |
| 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    | : Call a poison center or a 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   | : May cause slight temporary irritation.  |
| Symptoms/effects after skin contact | : May cause slight irritation to the skin.  |
| Symptoms/effects after eye contact  | : Direct contact with the eyes is likely to be irritating.  |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

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### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : None known.

### 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 : Avoid contact with skin and eyes. Wash immediately with plenty of water.

#### 6.1.1. For non-emergency personnel

Protective equipment : No special requirement . Avoid contact with skin.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.  
Measures in case of dust release : Not applicable (aqueous liquid).

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Wash immediately with plenty of water.

### 6.2. Environmental precautions

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

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

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

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Ensure spraying away from persons.  
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.  
Incompatible products : Strong acids. Strong alkalis.  
Incompatible materials : Strong acids. Strong alkalis.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

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### e-Surface X Concentrate

#### United Kingdom - Occupational Exposure Limits

|        |  |
|--------|--|
| Remark | Contains no substances with occupational work exposure limits. |
|--------|--|

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

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

###### DNEL/DMEL (Workers)

|  |                             |
|--|-----------------------------|
| Long-term - systemic effects, dermal     | 595000 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 420 mg/m <sup>3</sup>       |

###### DNEL/DMEL (General population)

|  |                             |
|--|-----------------------------|
| Long-term - systemic effects, oral       | 35.7 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation | 124 mg/m <sup>3</sup>       |
| Long-term - systemic effects, dermal     | 357000 mg/kg bodyweight/day |

###### PNEC (Water)

|                                      |             |
|--------------------------------------|-------------|
| PNEC aqua (freshwater)               | 0.176 mg/l  |
| PNEC aqua (marine water)             | 0.0176 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.27 mg/l   |

###### PNEC (Sediment)

|                              |                 |
|------------------------------|-----------------|
| PNEC sediment (freshwater)   | 1.516 mg/kg dwt |
| PNEC sediment (marine water) | 0.152 mg/kg dwt |

###### PNEC (Soil)

|           |                 |
|-----------|-----------------|
| PNEC soil | 0.654 mg/kg dwt |
|-----------|-----------------|

###### PNEC (Oral)

|                                 |                   |
|---------------------------------|-------------------|
| PNEC oral (secondary poisoning) | 111.11 mg/kg food |
|---------------------------------|-------------------|

###### PNEC (STP)

|                             |          |
|-----------------------------|----------|
| PNEC sewage treatment plant | 560 mg/l |
|-----------------------------|----------|

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

No special requirement.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Wear eye protection. Handling and dilution of concentrates.

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Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:**

Handling and dilution of concentrates

### 8.2.2.2. Skin protection

**Skin and body protection:**

No special requirement

**Hand protection:**

In case of repeated or prolonged contact wear gloves

### 8.2.2.3. Respiratory protection

**Respiratory protection:**

No respiratory protection needed under normal use conditions

### 8.2.2.4. Thermal hazards

**Thermal hazard protection:**

Not required.

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

No special environmental concerns.

**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  | : Dark orange.    |
| Appearance                                      | : Liquid.         |
| Odour   | : Pleasant.       |
| Odour threshold                                 | : Not available   |
| Melting point                                   | : Not available   |
| Freezing point                                  | : Not available   |
| Boiling point                                   | : Not available   |
| Flammability                                    | : Not applicable  |
| Explosive limits                                | : Not available   |
| Lower explosive limit (LEL)                     | : Not available   |
| Upper explosive limit (UEL)                     | : Not available   |
| Flash point                                     | : Not available   |
| Auto-ignition temperature                       | : Not available   |
| Decomposition temperature                       | : Not available   |
| pH  | : 7 – 9           |
| Viscosity, kinematic                            | : Not available   |
| Solubility                                      | : Easily soluble. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Vapour pressure                                 | : Not available   |
| Vapour pressure at 50°C                         | : Not available   |
| Density   | : Not available   |
| Relative density                                | : Not available   |
| Relative vapour density at 20°C                 | : Not available   |

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|                                |                  |
|--------------------------------|------------------|
| Particle size                  | : Not applicable |
| Particle size distribution     | : Not applicable |
| Particle shape                 | : Not applicable |
| Particle aspect ratio          | : Not applicable |
| Particle aggregation state     | : Not applicable |
| Particle agglomeration state   | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness             | : Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

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).

### 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 |

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

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

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified<br>pH: 7 – 9                 |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: 7 – 9 |
| Respiratory or skin sensitisation | : Not classified                              |
| Germ cell mutagenicity            | : Not classified                              |

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|                        |                  |
|------------------------|------------------|
| Carcinogenicity        | : Not classified |
| Reproductive toxicity  | : Not classified |
| STOT-single exposure   | : Not classified |
| STOT-repeated exposure | : Not classified |

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

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
|----------------------------|---|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

### 11.2. Information on other hazards

No additional information available

## 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  |

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

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

### 12.2. Persistence and degradability

#### e-Surface X Concentrate

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

#### e-Surface X Concentrate

|                           |  |
|---------------------------|--|
| Bioaccumulative potential | The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected. |
|---------------------------|--|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### e-Surface X Concentrate

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

# e-Surface X Concentrate

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### 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

No additional information available

## 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/ADG / IMDG / IATA / ADN / RID (This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012 )

| ADR/ADG                                 | 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



# e-Surface X Concentrate

## Safety Data Sheet

### SECTION 15: Regulatory information

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

HSNO Approval No: HSR002530 (Cleaning Products Subsidiary Group Hazard Standard 2020)  
C08-10 Alkyl Glucoside (CAS No. 68515-73-1) is listed on the NZ Inventory of Chemicals (NZIoC)

##### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)  
Contains no substance(s) listed on the REACH Candidate List  
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)  
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)  
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)  
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |

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## Safety Data Sheet

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2 |
| H318                                | Causes serious eye damage.                    |
| H319                                | Causes serious eye irritation.                |

The classification complies with : ATP 12

Revision No: 3.1

Issue Date: 26th September 2024

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.

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

### 1.1. Product identifier

Product form : Mixture  
Product name : e-Surface X RTU 1:50 to 1:150

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Ready to use all-in-one multi purpose cleaner

#### 1.2.2. Uses advised against

No additional information available

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

#### Australian Supplier:

ABCO PRODUCTS PTY LTD  
44 John Street  
Bentley WA 6102  
Australia  
1800 177 399  
[abcopro.com.au](http://abcopro.com.au)

#### New Zealand Supplier:

PROQUIP NZ LTD  
47 Fitzherbert Street  
Petone, Wellington  
0800 277 678

### 1.4. Emergency telephone number

Australia :13 11 26 (Poisons Information Centre)  
New Zealand :0800 764 766 (National Poison Centre)

## 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)

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 is 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

### 3.1. Substances

Not applicable  
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

### 3.2. Mixtures

# e-Surface X RTU 1:50 to 1:150

## Safety Data Sheet

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : If you feel unwell, seek medical advice.   |
| 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  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                   |
| First-aid measures after ingestion    | : Call a poison center or a 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   | : May cause slight temporary irritation.  |
| Symptoms/effects after skin contact | : May cause slight irritation to the skin.  |
| Symptoms/effects after eye contact  | : May cause slight irritation to eyes.  |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

#### 5.2. Special hazards arising from the substance or mixture

|  |               |
|--|---------------|
| Hazardous decomposition products in case of fire | : None known. |
|--|---------------|

#### 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 | : Avoid contact with skin and eyes. |
|------------------|-------------------------------------|

##### 6.1.1. For non-emergency personnel

|                                  |   |
|----------------------------------|---|
| Protective equipment             | : Wear recommended personal protective equipment. |
| Emergency procedures             | : Ventilate spillage area.                        |
| Measures in case of dust release | : Not applicable (aqueous liquid).                |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

#### 6.2. Environmental precautions

No special environmental precautions required.

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

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

# e-Surface X RTU 1:50 to 1:150

## Safety Data Sheet

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Not expected to present a significant hazard under anticipated conditions of normal use.  
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.  
Incompatible products : Strong alkalis. Strong acids.  
Incompatible materials : Strong alkalis. Strong acids.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| e-Surface X RTU 1:50 to 1:150 ( )             |  |
|---|--|
| United Kingdom - Occupational Exposure Limits |  |
| Remark  | Contains no substances with occupational work exposure limits. |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| e-Surface X RTU 1:50 to 1:150      |                       |
|------------------------------------|-----------------------|
| DNEL/DMEL (additional information) |                       |
| Additional information             | No Hazards Identified |
| PNEC (additional information)      |                       |
| Additional information             | No Hazards Identified |

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

No special requirement.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

No special requirement . Avoid contact with eyes. Ensure spraying away from persons.

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### 8.2.2.1. Eye and face protection

**Eye protection:**

Eye protection not applicable. Avoid contact with eyes. Ensure spraying away from persons

### 8.2.2.2. Skin protection

**Skin and body protection:**

No special requirement

**Hand protection:**

In case of repeated or prolonged contact wear gloves

**Other skin protection****Materials for protective clothing:**

Not applicable.

### 8.2.2.3. Respiratory protection

**Respiratory protection:**

No respiratory protection needed under normal use conditions

### 8.2.2.4. Thermal hazards

**Thermal hazard protection:**

Not required.

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

No special environmental concerns.

**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  | : Pale orange.    |
| Appearance                                      | : Liquid.         |
| Odour   | : Not available   |
| Odour threshold                                 | : Not available   |
| Melting point                                   | : Not applicable  |
| Freezing point                                  | : Not available   |
| Boiling point                                   | : Not available   |
| Flammability                                    | : Not applicable  |
| Explosive limits                                | : Not available   |
| Lower explosive limit (LEL)                     | : Not available   |
| Upper explosive limit (UEL)                     | : Not available   |
| Flash point                                     | : Not available   |
| Auto-ignition temperature                       | : Not available   |
| Decomposition temperature                       | : Not available   |
| pH  | : 7 – 8           |
| Viscosity, kinematic                            | : Not available   |
| Solubility                                      | : Easily soluble. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Vapour pressure                                 | : Not available   |
| Vapour pressure at 50°C                         | : Not available   |
| Density   | : Not available   |
| Relative density                                | : Not available   |
| Relative vapour density at 20°C                 | : Not available   |
| Particle size                                   | : Not applicable  |
| Particle size distribution                      | : Not applicable  |

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|                                |                  |
|--------------------------------|------------------|
| Particle shape                 | : Not applicable |
| Particle aspect ratio          | : Not applicable |
| Particle aggregation state     | : Not applicable |
| Particle agglomeration state   | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness             | : Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

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).

### 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              |
| Skin corrosion/irritation         | : Not classified<br>pH: 7 – 8 |
| Serious eye damage/irritation     | : Not classified<br>pH: 7 – 8 |
| 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              |
| Aspiration hazard                 | : Not classified              |

### 11.2. Information on other hazards

No additional information available

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### 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  |

#### 12.2. Persistence and degradability

##### e-Surface X RTU 1:50 to 1:150

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

##### e-Surface X RTU 1:50 to 1:150

|                           |  |
|---------------------------|--|
| Bioaccumulative potential | The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected. |
|---------------------------|--|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

##### e-Surface X RTU 1:50 to 1:150

|  |
|--|
| 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

No additional information available

### 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/ADG / IMDG / IATA / ADN / RID (This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012 )

| ADR/ADG                              | 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 |



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| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <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

Approval not required under the HSNO Act

This product does not contain any new organisms not already present in New Zealand as defined by the EPA NZ.

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |

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

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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.