

# SAFETY DATA SHEET

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

### 1.1. Product identifier

#### Trade name

Floor Cleaner

#### Product no.

1168

#### Unique formula identifier (UFI)

QEQF-17E1-799R-59RY

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

#### Relevant identified uses of the substance or mixture

Cleaning liquid

#### Uses advised against

None known.

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

#### Company and address

**Blue & Green AB**

Stenorsvägen 52

261 44 Landskrona

Sweden

+46 418 399000

www.blueandgreen.se

#### E-mail

info@blueandgreen.se

#### Revision

26/10/2022

#### SDS Version

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Met. Corr. 1; H290, May be corrosive to metals.

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

#### Hazard pictogram(s)



#### Signal word

Danger

#### Hazard statement(s)

May be corrosive to metals. (H290)

Causes severe skin burns and eye damage. (H314)

#### Safety statement(s)

General

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Prevention

Do not breathe vapour/mist. (P260)

Wear face protection/protective gloves/protective clothing. (P280)

#### Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
(P303+P361+P353)

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

Immediately call a POISON CENTER/doctor. (P310)

#### Storage

#### Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

#### Hazardous substances

potassium hydroxide

sodium hydroxide

#### Additional labelling

Not applicable.

#### 2.3. Other hazards

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Product/substance              | Identifiers             | % w/w | Classification     | Note        |
|--------------------------------|-------------------------|-------|--------------------|-------------|
| 2-(2-butoxyethoxy)ethanol      | CAS No.: 112-34-5       | 3-5%  | Eye Irrit. 2, H319 | [1],<br>[3] |
|                                | EC No.: 203-961-6       |       |                    |             |
|                                | UK-REACH:               |       |                    |             |
|                                | Index No.: 603-096-00-8 |       |                    |             |
| Hexyl D-glucoside              | CAS No.: 54549-24-5     | 1-3%  | Eye Dam. 1, H318   |             |
|                                | EC No.: 259-217-6       |       |                    |             |
|                                | UK-REACH:               |       |                    |             |
|                                | Index No.:              |       |                    |             |
| 2-Ethylhexanol,<br>ethoxylated | CAS No.: 26468-86-0     | 1-3%  | Eye Irrit. 2, H319 |             |
|                                | EC No.: 607-943-2       |       |                    |             |
|                                | UK-REACH:               |       |                    |             |
|                                | Index No.:              |       |                    |             |
| 2,2',2''-nitrilotriethanol     | CAS No.: 102-71-6       | 1-3%  |                    |             |
|                                | EC No.: 203-049-8       |       |                    |             |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                         |                                                                                 |      |                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UK-REACH:<br>Index No.: |                                                                                 |      |                                                                                                                                                                               |
| potassium hydroxide     | CAS No.: 1310-58-3<br>EC No.: 215-181-3<br>UK-REACH:<br>Index No.: 019-002-00-8 | 1-3% | Met. Corr. 1, H290<br>Acute Tox. 4, H302<br>Skin Corr. 1B, H314 (SCL: 2.00 %)<br>Skin Corr. 1A, H314<br>Skin Irrit. 2, H315 (SCL: 0.50 %)<br>Eye Irrit. 2, H319 (SCL: 0.50 %) |
| sodium hydroxide        | CAS No.: 1310-73-2<br>EC No.: 215-185-5<br>UK-REACH:<br>Index No.: 011-002-00-6 | 1-3% | Met. Corr. 1, H290<br>Skin Corr. 1B, H314 (SCL: 2.00 %)<br>Skin Corr. 1A, H314<br>Skin Irrit. 2, H315 (SCL: 0.50 %)<br>Eye Dam. 1, H318<br>Eye Irrit. 2, H319 (SCL: 0.50 %)   |

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

**Labelling of contents according to Detergents Regulation (EC) No 648/2004**

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Not applicable.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Store in a container with a resistant inner liner.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Room temperature 18 to 23°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

This product should only be used for applications quoted in section 1.2

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

— 2-(2-butoxyethoxy)ethanol

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 67,5

Short term exposure limit (15 minutes) (ppm): 15

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 101,2

— potassium hydroxide

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

— sodium hydroxide

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### DNEL

2-(2-butoxyethoxy)ethanol

| Duration                                          | Route of exposure | DNEL                    |
|---------------------------------------------------|-------------------|-------------------------|
| Long term – Local effects - Workers               | Inhalation        | 67.5 mg/m <sup>3</sup>  |
| Short term – Local effects - Workers              | Inhalation        | 101.2 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral              | 6,25 mg/kg bw/day       |

Hexyl D-glucoside

| Duration                                          | Route of exposure | DNEL                  |
|---------------------------------------------------|-------------------|-----------------------|
| Long term – Systemic effects - General population | Dermal            | 357000 mg/kg bw/day   |
| Long term – Systemic effects - Workers            | Dermal            | 595000 mg/kg bw/day   |
| Long term – Systemic effects - General population | Inhalation        | 124 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation        | 420 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral              | 35.7 mg/kg bw/day     |

potassium hydroxide

| Duration                            | Route of exposure | DNEL               |
|-------------------------------------|-------------------|--------------------|
| Long term – Local effects - General | Inhalation        | 1mg/m <sup>3</sup> |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                                                |                   |                     |
|------------------------------------------------|-------------------|---------------------|
| population                                     |                   |                     |
| Long term – Local effects - Workers            | Inhalation        | 1 mg/m <sup>3</sup> |
| sodium hydroxide                               |                   |                     |
| Duration                                       | Route of exposure | DNEL                |
| Short term – Local effects - Workers           | Dermal            | 2 mg/kg bw/d        |
| Long term – Local effects - General population | Inhalation        | 1 mg/m <sup>3</sup> |
| Long term – Local effects - Workers            | Inhalation        | 1 mg/m <sup>3</sup> |
| Short term – Local effects - Workers           | Inhalation        | 2 mg/m <sup>3</sup> |

## PNEC

### 2-(2-butoxyethoxy)ethanol

|                       |                      |               |
|-----------------------|----------------------|---------------|
| Route of exposure     | Duration of Exposure | PNEC          |
| Freshwater            |                      | 1.1 mg/L      |
| Freshwater sediment   |                      | 4.4 mg/kg dw  |
| Intermittent release  |                      | 11 mg/L       |
| Marine water          |                      | 0.11 mg/L     |
| Marine water sediment |                      | 0.44 mg/kg dw |
| Soil                  |                      | 0.32 mg/kg dw |

### Hexyl D-glucoside

|                        |                      |                |
|------------------------|----------------------|----------------|
| Route of exposure      | Duration of Exposure | PNEC           |
| Freshwater             |                      | 0.176 mg/L     |
| Freshwater sediment    |                      | 0.722 mg/kg dw |
| Marine water           |                      | 0.018 mg/L     |
| Marine water sediment  |                      | 0.072 mg/kg dw |
| Sewage treatment plant |                      | 100 mg/L       |
| Soil                   |                      | 0.654 mg/kg dw |

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

occupational hygiene limit values above.

#### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure


Keep damming materials near the workplace. If possible, collect spillage during work.

### 8.3. Individual protection measures, such as personal protective equipment


#### Generally

Use only UKCA marked protective equipment.


#### Respiratory Equipment

| Work situation                    | Type                    | Class   | Colour      | Standards |                                                                                     |
|-----------------------------------|-------------------------|---------|-------------|-----------|-------------------------------------------------------------------------------------|
| In case of inadequate ventilation | Combination filter A2P2 | Class 2 | Brown/White | EN14387   |  |


#### Skin protection

| Recommended                             | Type/Category | Standards |                                                                                       |
|-----------------------------------------|---------------|-----------|---------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | -             | -         |  |

#### Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards               |                                                                                       |
|----------|----------------------|--------------------------|-------------------------|---------------------------------------------------------------------------------------|
| Nitrile  | -                    | > 480                    | EN374-2, EN374-3, EN388 |  |

#### Eye protection

| Type                                                        | Standards |                                                                                       |
|-------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|
| Face shield alternatively safety glasses with side shields. | EN166     |  |

## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Yellowish

#### Odour / Odour threshold

Characteristic

#### pH

13.3

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### **Density (g/cm<sup>3</sup>)**

1.05

#### **Kinematic viscosity**

Testing not relevant or not possible due to the nature of the product.

#### **Particle characteristics**

Does not apply to liquids.

#### **Phase changes**

##### **Melting point/Freezing point (°C)**

Testing not relevant or not possible due to the nature of the product.

##### **Softening point/range (waxes and pastes) (°C)**

Does not apply to liquids.

##### **Boiling point (°C)**

Testing not relevant or not possible due to the nature of the product.

##### **Vapour pressure**

Testing not relevant or not possible due to the nature of the product.

##### **Relative vapour density**

Testing not relevant or not possible due to the nature of the product.

##### **Decomposition temperature (°C)**

Testing not relevant or not possible due to the nature of the product.

#### **Data on fire and explosion hazards**

##### **Flash point (°C)**

Testing not relevant or not possible due to the nature of the product.

##### **Ignition (°C)**

Testing not relevant or not possible due to the nature of the product.

##### **Auto flammability (°C)**

Testing not relevant or not possible due to the nature of the product.

##### **Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to the nature of the product.

#### **Solubility**

##### **Solubility in water**

Completely soluble

##### **n-octanol/water coefficient**

Testing not relevant or not possible due to the nature of the product.

##### **Solubility in fat (g/L)**

Testing not relevant or not possible due to the nature of the product.

#### **9.2. Other information**

##### **Other physical and chemical parameters**

No data available.

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No data available.

#### **10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### **10.3. Possibility of hazardous reactions**

None known.

#### **10.4. Conditions to avoid**

None known.

#### **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### **10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

### **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Acute toxicity

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol |
| Test method       |                           |
| Species           | Rat                       |
| Route of exposure | Oral                      |
| Test              | LD50                      |
| Result            | >2000 mg/kg               |
| Other information |                           |

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol |
| Test method       |                           |
| Species           | Rabbit                    |
| Route of exposure | Dermal                    |
| Test              | LD50                      |
| Result            | 2764 mg/kg                |
| Other information |                           |

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol |
| Test method       |                           |
| Species           | Rat                       |
| Route of exposure | Inhalation                |
| Test              | LC50                      |
| Result            | >29 ppm                   |
| Other information |                           |

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol |
| Test method       |                           |
| Species           | Mouse                     |
| Route of exposure | Oral                      |
| Test              | LD50                      |
| Result            | 2410 mg/kg                |
| Other information |                           |

|                   |                   |
|-------------------|-------------------|
| Product/substance | Hexyl D-glucoside |
| Test method       |                   |
| Species           | Rat               |
| Route of exposure | Oral              |
| Test              | LD50              |
| Result            | >2000 mg/kg       |
| Other information |                   |

|                   |                   |
|-------------------|-------------------|
| Product/substance | Hexyl D-glucoside |
| Test method       |                   |
| Species           | Rabbit            |
| Route of exposure | Dermal            |
| Test              | LD50              |
| Result            | >2000 mg/kg       |
| Other information |                   |

|                   |                             |
|-------------------|-----------------------------|
| Product/substance | 2-Ethylhexanol, ethoxylated |
| Test method       |                             |
| Species           | Rat                         |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |             |
|-------------------|-------------|
| Route of exposure | Oral        |
| Test              | LD50        |
| Result            | >2000 mg/kg |
| Other information |             |

|                   |                     |
|-------------------|---------------------|
| Product/substance | potassium hydroxide |
| Test method       |                     |
| Species           | Rat                 |
| Route of exposure | Oral                |
| Test              | LD50                |
| Result            | 333.0 mg/kg         |
| Other information |                     |

|                   |                  |
|-------------------|------------------|
| Product/substance | sodium hydroxide |
| Test method       |                  |
| Species           | Rat              |
| Route of exposure | Oral             |
| Test              | LD50             |
| Result            | 325 mg/kgbw      |
| Other information |                  |

#### Skin corrosion/irritation

|                   |                                             |
|-------------------|---------------------------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol                   |
| Test method       | OECD 404                                    |
| Species           | Rabbit                                      |
| Duration          |                                             |
| Result            | No adverse effect observed (Not irritating) |
| Other information |                                             |

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

|                   |                                      |
|-------------------|--------------------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol            |
| Test method       | OECD 404                             |
| Species           | Rabbit                               |
| Duration          |                                      |
| Result            | Adverse effect observed (Irritating) |
| Other information |                                      |

Causes serious eye damage.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

|                   |                                              |
|-------------------|----------------------------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol                    |
| Test method       | OECD 406                                     |
| Species           | Guinea pig                                   |
| Result            | No adverse effect observed (not sensitising) |
| Other information |                                              |

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Long term effects**

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### **Endocrine disrupting properties**

None known.

#### **Other information**

None known.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

|                   |                             |
|-------------------|-----------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol   |
| Test method       |                             |
| Species           | Fish, <i>Leuciscus idus</i> |
| Compartment       |                             |
| Duration          | 96 hours                    |
| Test              | LC50                        |
| Result            | >100 mg/L                   |
| Other information |                             |

|                   |                                       |
|-------------------|---------------------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol             |
| Test method       |                                       |
| Species           | Algae, <i>Scenedesmus subspicatus</i> |
| Compartment       |                                       |
| Duration          | 96 hours                              |
| Test              | EC50                                  |
| Result            | >100 mg/L                             |
| Other information |                                       |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol     |
| Test method       |                               |
| Species           | Daphnia, <i>Daphnia magna</i> |
| Compartment       |                               |
| Duration          | 48 hours                      |
| Test              | EC50                          |
| Result            | >100 mg/L                     |
| Other information |                               |

|                   |                                  |
|-------------------|----------------------------------|
| Product/substance | Hexyl D-glucoside                |
| Test method       |                                  |
| Species           | Fish, <i>Oncorhynchus mykiss</i> |
| Compartment       |                                  |
| Duration          | 96 hours                         |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |                                |
|-------------------|--------------------------------|
| Test              | LC50                           |
| Result            | >100 mg/L                      |
| Other information |                                |
| Product/substance | Hexyl D-glucoside              |
| Test method       |                                |
| Species           | Daphnia, Daphnia magna         |
| Compartment       |                                |
| Duration          | 48 hours                       |
| Test              | EC50                           |
| Result            | >100 mg/L                      |
| Other information |                                |
| Product/substance | Hexyl D-glucoside              |
| Test method       |                                |
| Species           | Algae, Scenedesmus quadricauda |
| Compartment       |                                |
| Duration          | 72 hours                       |
| Test              | EC50                           |
| Result            | >100 mg/L                      |
| Other information |                                |
| Product/substance | Hexyl D-glucoside              |
| Test method       |                                |
| Species           | Algae                          |
| Compartment       |                                |
| Duration          | 72 hours                       |
| Test              | NOEC                           |
| Result            | >100 mg/L                      |
| Other information |                                |
| Product/substance | Hexyl D-glucoside              |
| Test method       |                                |
| Species           | Daphnia, Daphnia magna         |
| Compartment       |                                |
| Duration          | 21 days                        |
| Test              | NOEC                           |
| Result            | 1-10 mg/L                      |
| Other information |                                |
| Product/substance | 2-Ethylhexanol, ethoxylated    |
| Test method       |                                |
| Species           | Fish, Oncorhynchus mykiss      |
| Compartment       |                                |
| Duration          | 96 hours                       |
| Test              | LC50                           |
| Result            | 10-100 mg/L                    |
| Other information |                                |
| Product/substance | 2-Ethylhexanol, ethoxylated    |
| Test method       |                                |
| Species           | Daphnia, Daphnia magna         |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |                                       |
|-------------------|---------------------------------------|
| Compartment       |                                       |
| Duration          | 48 hours                              |
| Test              | EC50                                  |
| Result            | 1-10 mg/L                             |
| Other information |                                       |
| Product/substance | 2-Ethylhexanol, ethoxylated           |
| Test method       |                                       |
| Species           | Algae, <i>Scenedesmus subspicatus</i> |
| Compartment       |                                       |
| Duration          | 72 hours                              |
| Test              | EC50                                  |
| Result            | 1-10 mg/L                             |
| Other information |                                       |
| Product/substance | potassium hydroxide                   |
| Test method       |                                       |
| Species           | Fish                                  |
| Compartment       |                                       |
| Duration          | 96 hours                              |
| Test              | LC50                                  |
| Result            | 80 mg/L                               |
| Other information |                                       |
| Product/substance | potassium hydroxide                   |
| Test method       |                                       |
| Species           | Daphnia, <i>Daphnia magna</i>         |
| Compartment       |                                       |
| Duration          | 48 hours                              |
| Test              | EC50                                  |
| Result            | 40-240 mg/L                           |
| Other information |                                       |
| Product/substance | sodium hydroxide                      |
| Test method       |                                       |
| Species           | Fish                                  |
| Compartment       |                                       |
| Duration          | 96 hours                              |
| Test              | LC50                                  |
| Result            | 125 mg/L                              |
| Other information |                                       |
| Product/substance | sodium hydroxide                      |
| Test method       |                                       |
| Species           | Daphnia                               |
| Compartment       |                                       |
| Duration          | 48 hours                              |
| Test              | EC50                                  |
| Result            | 40 mg/L                               |
| Other information |                                       |

## 12.2. Persistence and degradability

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-(2-butoxyethoxy)ethanol |
| Biodegradable     | Yes                       |
| Test method       | OECD 301 E                |
| Result            | 100%                      |

|                   |                   |
|-------------------|-------------------|
| Product/substance | Hexyl D-glucoside |
| Biodegradable     | Yes               |
| Test method       | OECD 301 D        |
| Result            | >60%              |

|                   |                             |
|-------------------|-----------------------------|
| Product/substance | 2-Ethylhexanol, ethoxylated |
| Biodegradable     | Yes                         |
| Test method       | OECD 301 B                  |
| Result            | >60%                        |

|                   |                  |
|-------------------|------------------|
| Product/substance | sodium hydroxide |
| Biodegradable     | Yes              |
| Test method       |                  |
| Result            |                  |

### 12.3. Bioaccumulative potential

|                           |                           |
|---------------------------|---------------------------|
| Product/substance         | 2-(2-butoxyethoxy)ethanol |
| Test method               |                           |
| Potential bioaccumulation | No                        |
| LogPow                    | 1.0000                    |
| BCF                       | No data available.        |
| Other information         |                           |

|                           |                    |
|---------------------------|--------------------|
| Product/substance         | Hexyl D-glucoside  |
| Test method               |                    |
| Potential bioaccumulation | No                 |
| LogPow                    | No data available. |
| BCF                       | No data available. |
| Other information         |                    |

|                           |                             |
|---------------------------|-----------------------------|
| Product/substance         | 2-Ethylhexanol, ethoxylated |
| Test method               |                             |
| Potential bioaccumulation | No                          |
| LogPow                    | No data available.          |
| BCF                       | No data available.          |
| Other information         |                             |

|                           |                     |
|---------------------------|---------------------|
| Product/substance         | potassium hydroxide |
| Test method               |                     |
| Potential bioaccumulation | No                  |
| LogPow                    | No data available.  |
| BCF                       | No data available.  |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Other information

Product/substance      sodium hydroxide  
 Test method  
 Potential                      No  
 bioaccumulation  
 LogPow                      No data available.  
 BCF                              No data available.  
 Other information

#### 12.4. Mobility in soil

No data available.

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

07 06                      Other organic solvents, washing liquids and mother liquors  
 04\*



#### Specific labelling

Not applicable.


#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

|      | 14.1 UN / ID | 14.2 UN proper shipping name                                     | 14.3 Hazard class(es)                                                                                                                   | 14.4 PG* | 14.5 Env** | Other information                                                                                |
|------|--------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--------------------------------------------------------------------------------------------------|
| ADR  | UN1760       | CORROSIVE LIQUID, N.O.S. (potassium hydroxide, sodium hydroxide) | Class: 8<br>Labels: 8<br>Classification code: C9<br> | II       | No         | Limited quantities: 1 L<br>Tunnel restriction code: (E)<br>See below for additional information. |
| IMDG | UN1760       | CORROSIVE LIQUID, N.O.S. (potassium hydroxide, sodium hydroxide) | Class: 8<br>Labels: 8<br>Classification code: C9<br> | II       | No         | Limited quantities: 1 L<br>EmS: F-A S-B<br>See below for additional information.                 |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| 14.1 UN / ID | 14.2 UN proper shipping name                                     | 14.3 Hazard class(es)                                                                                                                 | 14.4 PG* | 14.5 Env** | Other information                     |
|--------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|------------|---------------------------------------|
| IATA UN1760  | CORROSIVE LIQUID, N.O.S. (potassium hydroxide, sodium hydroxide) | Class: 8<br>Labels: 8<br>Classification code: C9<br> | II       | No         | See below for additional information. |

\* Packing group  
\*\* Environmental hazards

**Additional information**  
ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.  
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.  
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.  
This product is within scope of the regulations of transport of dangerous goods.

**14.6. Special precautions for user**  
Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**  
No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### REACH, Annex XVII

2-(2-butoxyethoxy)ethanol is subject to restrictions, UK-REACH annex XVII (entry 55).

#### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Sources

The Management of Health and Safety at Work Regulations 1999.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.  
H302, Harmful if swallowed.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### The safety data sheet is validated by

Åsa Möller

### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en