

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : RELAVIT OVEN ULTRA  
Product code : IT00006  
Type of product : Detergent

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Oven, grill cleaner

##### 1.2.2. Uses advised against

Restrictions on use : The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

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

##### Manufacturer

Christeyns Italia S.r.l.  
Via Aldo Moro 30  
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Italy  
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[info.pfitalia@christeyns.com](mailto:info.pfitalia@christeyns.com) - [www.christeyns.com](http://www.christeyns.com)

##### Distributor

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##### Distributor

Christeyns Food Hygiene Ltd. Ltd  
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Casoria Company Ltd. Ltd  
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##### Distributor

Christeyns Technologies Ltd.  
Mazars, Block 3, Harcourt Centre, Harcourt Road  
IE– 2 Dublin  
Ireland  
T +353 1 8146022

#### 1.4. Emergency telephone number

| Country        | Official advisory body                                                       | Address                           | Emergency number                                                                                       | Comment                              |
|----------------|------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH            | 0344 892 0111                                                                                          | Only for healthcare<br>professionals |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1, Sub-Category 1A H314  
Serious eye damage/eye irritation, Category 1 H318

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

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

May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage.

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

CLP Signal word : Danger

Contains : Potassium hydroxide; Alkylpolyglucoside; Sodium hydroxide

Hazard statements (CLP) : H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P280 - Wear eye protection, protective clothing, protective gloves.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor, a POISON CENTER.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor, a POISON CENTER.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.  
P390 - Absorb spillage to prevent material damage.

### 2.3. Other hazards

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

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]                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------|
| Potassium hydroxide<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, PL, PT, SE, IS, NO, CH)                                                                                                            | CAS-no: 1310-58-3<br>Einecs nr: 215-181-3<br>EG annex nr: 019-002-00-8<br>REACH-no: 01-2119487136-33 | 5 – 10 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Met. Corr. 1, H290 |
| Sodium hydroxide<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, SE, SK, IS, NO, CH)                                                                                                   | CAS-no: 1310-73-2<br>Einecs nr: 215-185-5<br>EG annex nr: 011-002-00-6<br>REACH-no: 01-2119457892-27 | 5 – 10 | Met. Corr. 1, H290<br>Skin Corr. 1A, H314                                                  |
| Monopropyleneglycol; 1,2-propane glycol<br>substance with national workplace exposure limit(s)<br>(GB, HR, IE, LT, LV, PL, NO)                                                                                                                                            | CAS-no: 57-55-6<br>Einecs nr: 200-338-0<br>REACH-no: 01-2119456809-23                                | 3 – 5  | Not classified                                                                             |
| Diethylene glycol monobutyl ether<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CZ, DE, DK, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-no: 112-34-5<br>Einecs nr: 203-961-6<br>EG annex nr: 603-096-00-8<br>REACH-no: 01-2119475104-44  | 3 – 5  | Eye Irrit. 2, H319                                                                         |
| Alkylpolyglucoside                                                                                                                                                                                                                                                        | CAS-no: 68515-73-1<br>Einecs nr: 500-220-1<br>REACH-no: 01-2119488530-36                             | 1 – 3  | Eye Dam. 1, H318                                                                           |

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| Specific concentration limits: |                                                                                                      |                                                                                                                                               |
|--------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Name                           | Product identifier                                                                                   | Specific concentration limits                                                                                                                 |
| Potassium hydroxide            | CAS-no: 1310-58-3<br>Einecs nr: 215-181-3<br>EG annex nr: 019-002-00-8<br>REACH-no: 01-2119487136-33 | ( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C ≤ 100) Skin Corr. 1A, H314 |
| Sodium hydroxide               | CAS-no: 1310-73-2<br>Einecs nr: 215-185-5<br>EG annex nr: 011-002-00-6<br>REACH-no: 01-2119457892-27 | ( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C ≤ 100) Skin Corr. 1A, H314 |
| Alkylpolyglucoside             | CAS-no: 68515-73-1<br>Einecs nr: 500-220-1<br>REACH-no: 01-2119488530-36                             | ( 5 ≤C < 100) Eye Dam. 1, H318                                                                                                                |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                |                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice | : If you feel unwell, seek medical advice (show the label where possible).                                                                           |
| Inhalation     | : If you feel unwell, seek medical advice.                                                                                                           |
| Skin contact   | : Call a physician immediately. Rinse skin with water/shower. Take off immediately all contaminated clothing.                                        |
| Eye contact    | : Call a physician immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion      | : Call a physician immediately. Do NOT induce vomiting. Rinse mouth.                                                                                 |

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

|                          |                           |
|--------------------------|---------------------------|
| Acute effects skin       | : Burns.                  |
| Acute effects eyes       | : Serious damage to eyes. |
| Acute effects oral route | : Burns.                  |

### 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 : All extinguishing agents can be used. Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

### 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

#### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe Mist, Spray, gas, vapours.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

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### 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

: Ensure good ventilation of the work station. Never mix with other materials. Never return unused material to original container. Avoid contact with skin and eyes. Do not breathe gas, Mist, Spray, vapours, Aerosol. Wear personal protective equipment.

Hygiene measures

: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Storage conditions

: Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store in a well-ventilated place. Keep cool.

Incompatible materials

: Metals.

Maximum storage period

: ≤ 3 year

Storage temperature

: ≤ 35 (≥ 0) °C

Material(s) to avoid

: 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

| Potassium hydroxide (1310-58-3)                           |                                                                                            |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Ireland - Occupational Exposure Limits</b>             |                                                                                            |
| Local name                                                | Potassium hydroxide                                                                        |
| OEL STEL                                                  | 2 mg/m <sup>3</sup>                                                                        |
| Regulatory reference                                      | Chemical Agents Code of Practice 2021                                                      |
| <b>United Kingdom - Occupational Exposure Limits</b>      |                                                                                            |
| Local name                                                | Potassium hydroxide                                                                        |
| WEL STEL (OEL STEL)                                       | 2 mg/m <sup>3</sup>                                                                        |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE                                                      |
| Monopropylene glycol; 1,2-propane glycol (57-55-6)        |                                                                                            |
| <b>Ireland - Occupational Exposure Limits</b>             |                                                                                            |
| Local name                                                | Propane-1,2-diol [Propylene glycol]                                                        |
| OEL TWA [1]                                               | 470 mg/m <sup>3</sup> total (vapour and particulates)<br>10 mg/m <sup>3</sup> particulates |
| OEL TWA [2]                                               | 150 ppm total (vapour and particulates)                                                    |
| Regulatory reference                                      | Chemical Agents Code of Practice 2021                                                      |
| <b>United Kingdom - Occupational Exposure Limits</b>      |                                                                                            |
| Local name                                                | Propane-1,2-diol                                                                           |
| WEL TWA (OEL TWA) [1]                                     | 10 mg/m <sup>3</sup> particulates<br>474 mg/m <sup>3</sup> total vapour and particulates   |
| WEL TWA (OEL TWA) [2]                                     | 150 ppm total vapour and particulates                                                      |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE                                                      |
| Diethylene glycol monobutyl ether (112-34-5)              |                                                                                            |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                                                                            |
| Local name                                                | 2-(2-Butoxyethoxy)ethanol                                                                  |
| IOEL TWA                                                  | 67.5 mg/m <sup>3</sup>                                                                     |
| IOEL TWA [ppm]                                            | 10 ppm                                                                                     |
| IOEL STEL                                                 | 101.2 mg/m <sup>3</sup>                                                                    |

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| <b>Diethylene glycol monobutyl ether (112-34-5)</b>  |                                                       |
|------------------------------------------------------|-------------------------------------------------------|
| IOEL STEL [ppm]                                      | 15 ppm                                                |
| Regulatory reference                                 | COMMISSION DIRECTIVE 2006/15/EC                       |
| <b>Ireland - Occupational Exposure Limits</b>        |                                                       |
| Local name                                           | 2-(2-Butoxyethoxy)ethanol                             |
| OEL TWA [1]                                          | 67.5 mg/m <sup>3</sup>                                |
| OEL TWA [2]                                          | 10 ppm                                                |
| OEL STEL                                             | 101.2 mg/m <sup>3</sup>                               |
| OEL STEL [ppm]                                       | 15 ppm                                                |
| Remark                                               | IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference                                 | Chemical Agents Code of Practice 2021                 |
| <b>United Kingdom - Occupational Exposure Limits</b> |                                                       |
| Local name                                           | 2-(2-Butoxyethoxy)ethanol                             |
| WEL TWA (OEL TWA) [1]                                | 67.5 mg/m <sup>3</sup>                                |
| WEL TWA (OEL TWA) [2]                                | 10 ppm                                                |
| WEL STEL (OEL STEL)                                  | 101.2 mg/m <sup>3</sup>                               |
| WEL STEL (OEL STEL) [ppm]                            | 15 ppm                                                |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE                 |
| <b>Sodium hydroxide (1310-73-2)</b>                  |                                                       |
| <b>Ireland - Occupational Exposure Limits</b>        |                                                       |
| Local name                                           | Sodium hydroxide                                      |
| OEL STEL                                             | 2 mg/m <sup>3</sup>                                   |
| Regulatory reference                                 | Chemical Agents Code of Practice 2021                 |
| <b>United Kingdom - Occupational Exposure Limits</b> |                                                       |
| Local name                                           | Sodium hydroxide                                      |
| WEL STEL (OEL STEL)                                  | 2 mg/m <sup>3</sup>                                   |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE                 |

### 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

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

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### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear security glasses which protect from splashes

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing

##### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------|
| Physical state                                  | : Liquid                                                                   |
| Colour                                          | : Brown.                                                                   |
| Odour                                           | : Characteristic.                                                          |
| Odour threshold                                 | : Not available                                                            |
| Melting point/range                             | : < 0 °C                                                                   |
| Freezing point                                  | : Not available                                                            |
| Boiling point/Boiling range                     | : ≈ 100 °C                                                                 |
| Flammability                                    | : Not applicable                                                           |
| Explosive properties                            | : Constituents do not contain chemical groups associated with explosivity. |
| Oxidising properties                            | : Non oxidizing material according to EC criteria.                         |
| Explosive limits                                | : Not available                                                            |
| Lower explosion limit                           | : Not available                                                            |
| Upper explosion limit                           | : Not available                                                            |
| Flash point                                     | : > 100 °C                                                                 |
| Autoignition temperature                        | : Not available                                                            |
| Decomposition temperature                       | : Not available                                                            |
| pH                                              | : 13.5 ± 0.5 (100%)                                                        |
| Viscosity, kinematic                            | : ≈ 60 mm <sup>2</sup> /s at 20 °C                                         |
| Viscosity, dynamic                              | : ≈ 70 mPa.s at 20 °C                                                      |
| Solubility                                      | : soluble in water.                                                        |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                                            |
| Vapour pressure                                 | : Not available                                                            |
| Vapour pressure at 50°C                         | : Not available                                                            |
| Density                                         | : 1.155 g/cm <sup>3</sup> ± 0.05 at 20 °C                                  |
| Relative density                                | : Not available                                                            |
| Relative vapour density at 20°C                 | : Not available                                                            |
| Particle characteristics                        | : Not applicable                                                           |

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### 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

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Reacts exothermically with strong acids.

### 10.4. Conditions to avoid

Protect from sunlight.

### 10.5. Incompatible materials

Acids. metals.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

## 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

| <b>Potassium hydroxide (1310-58-3)</b>                   |                                                       |
|----------------------------------------------------------|-------------------------------------------------------|
| LD50 oral rat                                            | 333 mg/kg                                             |
| ATE CLP (oral)                                           | 333 mg/kg bodyweight                                  |
| <b>Monopropyleneglycol; 1,2-propane glycol (57-55-6)</b> |                                                       |
| LD50 oral rat                                            | 20 g/kg                                               |
| LD50 dermal rat                                          | 22500 mg/kg                                           |
| LD50 dermal rabbit                                       | 20800 mg/kg                                           |
| ATE CLP (oral)                                           | 20000 mg/kg bodyweight                                |
| ATE CLP (dermal)                                         | 20800 mg/kg bodyweight                                |
| <b>Diethylene glycol monobutyl ether (112-34-5)</b>      |                                                       |
| LD50 oral rat                                            | 6600 mg/kg bodyweight                                 |
| LD50 dermal rabbit                                       | 2764 mg/kg bw/day                                     |
| LC50 Inhalation - Rat (Dust/Mist)                        | > 196 mg/l                                            |
| ATE CLP (dermal)                                         | 2764 mg/kg bodyweight                                 |
| ATE CLP (dust,mist)                                      | 5000 mg/m <sup>3</sup>                                |
| Skin corrosion/irritation                                | : Causes severe skin burns.<br>pH: 13.5 ± 0.5 (100%)  |
| Serious eye damage/irritation                            | : Causes serious eye damage.<br>pH: 13.5 ± 0.5 (100%) |
| 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                                      |

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| RELAVIT OVEN ULTRA   |                                  |
|----------------------|----------------------------------|
| Viscosity, kinematic | ≈ 60 mm <sup>2</sup> /s at 20 °C |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Potassium hydroxide (1310-58-3) |                           |
|---------------------------------|---------------------------|
| LC50 - Fish [1]                 | 80 mg/l                   |
| EC50 - Crustacea [1]            | 30 – 1000 mg/l (OECD 202) |

| Monopropyleneglycol; 1,2-propane glycol (57-55-6) |            |
|---------------------------------------------------|------------|
| LC50 - Fish [1]                                   | 51400 mg/l |
| LC50 - Fish [2]                                   | 51600 mg/l |
| EC50 - Crustacea [1]                              | 34400 mg/l |

| Diethylene glycol monobutyl ether (112-34-5) |                       |
|----------------------------------------------|-----------------------|
| LC50 - Fish [1]                              | > 100 mg/l            |
| EC50 - Crustacea [1]                         | > 1000 mg/l           |
| EC50 - Other aquatic organisms [1]           | > 1000 mg/l waterflea |
| EC50 - Other aquatic organisms [2]           | > 100 mg/l            |
| ErC50 algae                                  | > 100 mg/l            |

| Sodium hydroxide (1310-73-2)       |                          |
|------------------------------------|--------------------------|
| LC50 - Fish [1]                    | > 35 mg/l                |
| EC50 - Crustacea [1]               | 40.4 mg/l (Ceriodaphnia) |
| EC50 - Other aquatic organisms [1] | > 33 mg/l waterflea      |

### 12.2. Persistence and degradability

| RELAVIT OVEN ULTRA            |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. 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. |

| Diethylene glycol monobutyl ether (112-34-5) |                        |
|----------------------------------------------|------------------------|
| Persistence and degradability                | Readily biodegradable. |

| Sodium hydroxide (1310-73-2)  |                 |
|-------------------------------|-----------------|
| Persistence and degradability | Not applicable. |

### 12.3. Bioaccumulative potential

| RELAVIT OVEN ULTRA        |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |

| Potassium hydroxide (1310-58-3) |      |
|---------------------------------|------|
| Log Pow                         | 0.75 |

| Monopropyleneglycol; 1,2-propane glycol (57-55-6) |       |
|---------------------------------------------------|-------|
| Log Pow                                           | -1.36 |



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| Diethylene glycol monobutyl ether (112-34-5) |                     |
|----------------------------------------------|---------------------|
| Log Pow                                      | 0.56                |
| Bioaccumulative potential                    | No bioaccumulation. |
| Sodium hydroxide (1310-73-2)                 |                     |
| Log Pow                                      | -3.88               |
| Bioaccumulative potential                    | No bioaccumulation. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 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.

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR                                                                                                     | IMDG                                                                                               | IATA                                                                                               |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                                                     |                                                                                                    |                                                                                                    |
| UN 3266                                                                                                 | UN 3266                                                                                            | UN 3266                                                                                            |
| <b>14.2. UN proper shipping name</b>                                                                    |                                                                                                    |                                                                                                    |
| CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide ; Sodium hydroxide)                     | CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide ; Sodium hydroxide)                | Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide ; Sodium hydroxide)                |
| <b>Transport document description</b>                                                                   |                                                                                                    |                                                                                                    |
| UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide ; Sodium hydroxide), 8, II, (E) | UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide ; Sodium hydroxide), 8, II | UN 3266 Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide ; Sodium hydroxide), 8, II |
| <b>14.3. Transport hazard class(es)</b>                                                                 |                                                                                                    |                                                                                                    |
| 8                                                                                                       | 8                                                                                                  | 8                                                                                                  |
|                      |                 |               |
| <b>14.4. Packing group</b>                                                                              |                                                                                                    |                                                                                                    |
| II                                                                                                      | II                                                                                                 | II                                                                                                 |
| <b>14.5. Environmental hazards</b>                                                                      |                                                                                                    |                                                                                                    |
| Dangerous for the environment: No                                                                       | Dangerous for the environment: No<br>Marine pollutant: No                                          | Dangerous for the environment: No                                                                  |

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

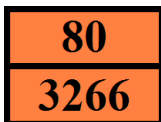
|                                |               |
|--------------------------------|---------------|
| Classification code (ADR)      | : C5          |
| Special provisions (ADR)       | : 274         |
| Limited quantities (ADR)       | : 1I          |
| Packing instructions (ADR)     | : P001, IBC02 |
| Mixed packing provisions (ADR) | : MP15        |

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Portable tank and bulk container instructions (ADR) : T11  
Portable tank and bulk container special provisions (ADR) : TP2, TP27  
Tank code (ADR) : L4BN  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 80  
Orange plates :



Tunnel code : E  
EAC code : 2X  
APP code : B

### Transport by sea

Special provisions (IMDG) : 274  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02

### Air transport

PCA Limited quantities (IATA) : Y840  
PCA limited quantity max net quantity (IATA) : 0.5L  
PCA packing instructions (IATA) : 851  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 855  
CAO max net quantity (IATA) : 30L  
Special provisions (IATA) : A3, A803

### 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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

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

##### REACH Annex XIV (Authorisation List)

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

##### REACH Candidate List (SVHC)

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

##### PIC Regulation (Prior Informed Consent)

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

##### POP Regulation (Persistent Organic Pollutants)

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

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Detergent Regulation (648/2004)

#### Labelling of contents

| Component             | %   |
|-----------------------|-----|
| non-ionic surfactants | <5% |

##### Explosives Precursors Regulation (2019/1148)

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

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### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 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

| Indication of changes |                                     |          |          |
|-----------------------|-------------------------------------|----------|----------|
| Section               | Changed item                        | Change   | Comments |
|                       | Display additional SDS EU addresses | Added    |          |
|                       | Review date                         | Modified |          |
|                       | Supersedes                          | Modified |          |
| 1.2                   | Restrictions on use                 | Added    |          |
| 7.2                   | Maximum storage period              | Added    |          |
| 7.2                   | Storage temperature                 | Added    |          |
| 9.1                   | Density                             | Modified |          |
| 9.1                   | Boiling point/Boiling range         | Added    |          |
| 9.1                   | Flash point                         | Added    |          |
| 9.1                   | Viscosity, dynamic                  | Added    |          |
| 9.1                   | Viscosity, kinematic                | Added    |          |
| 9.1                   | Explosive properties                | Added    |          |
| 9.1                   | Oxidising properties                | Added    |          |
| 13.1                  | HP Code                             | Added    |          |

### 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                                                                |

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| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| 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                                              |

### Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.  
This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

| Full text of H- and EUH-statements: |                                                        |
|-------------------------------------|--------------------------------------------------------|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                      |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1          |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2          |
| 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.                         |
| Met. Corr. 1                        | Corrosive to metals, Category 1                        |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                  |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---------------------------------------------------------------------------------------------------------------------------|------|--------------------|
| Met. Corr. 1                                                                                                              | H290 | Calculation method |
| Skin Corr. 1A                                                                                                             | H314 | Calculation method |
| Eye Dam. 1                                                                                                                | H318 | Calculation method |

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.