



# Heavy Duty Oven / Drain Cleaner

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 2/6/2017 Revision date: 2/9/2024 Supersedes version of: 8/19/2021 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Heavy Duty Oven / Drain Cleaner 2x5L  
UFI : TESN-X0H1-H00Q-HY21  
Product code : 03510

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Cleaning Product

##### 1.2.2. Uses advised against

Restrictions on use : Anything other than intended use as listed on the label.

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

##### Supplier

Trust Hygiene Services Ltd  
Principle House  
Leamore Lane  
Bloxwich  
Walsall  
West Midlands  
WS2 7PS  
Tel: 0370 3500 988 (09:00 to 17:00 Mon-Fri)

E-mail: sales@trusthygiene.co.uk

#### 1.4. Emergency telephone number

Emergency number : (UK) NHS 111 / 999

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 1 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

Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Contains : Potassium Hydroxide, sodium hydroxide; caustic soda  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

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Precautionary statements (CLP) : P280 - Wear eye protection, face protection, protective clothing, protective gloves.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.  
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 POISON CENTER or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).

### 2.3. Other hazards

Contains no PBT and/or 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 substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]                           |
|---|---|------------------|---|
| sodium hydroxide; caustic soda  | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | $\geq 10 - < 30$ | Skin Corr. 1A, H314   |
| tetrasodium (1-hydroxyethylidene)bisphosphonic acid   | CAS-No.: 3794-83-0<br>EC-No.: 223-267-7<br>REACH-no: 01-2119510382-52                               | $\geq 1 - < 5$   | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319   |
| Potassium Hydroxide   | CAS-No.: 1310-58-3<br>EC-No.: 215-181-3<br>EC Index-No.: 019-002-00-8<br>REACH-no: 01-2119487136-33 | $\geq 1 - < 5$   | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |
| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether<br>substance with a Community workplace exposure limit | CAS-No.: 112-34-5<br>EC-No.: 203-961-6<br>EC Index-No.: 603-096-00-8<br>REACH-no: 01-2119475104-44  | $< 1$            | Eye Irrit. 2, H319  |

### Specific concentration limits:

| Name                           | Product identifier  | Specific concentration limits  |
|--------------------------------|---|--|
| sodium hydroxide; caustic soda | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | ( 0.5 $\leq$ C < 2) Skin Irrit. 2, H315<br>( 0.5 $\leq$ C < 2) Eye Irrit. 2, H319<br>( 2 $\leq$ C < 5) Skin Corr. 1B, H314<br>( 5 $\leq$ C $\leq$ 100) Skin Corr. 1A, H314 |

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| Specific concentration limits:                      |   |   |
|---|---|---|
| Name  | Product identifier  | Specific concentration limits   |
| tetrasodium (1-hydroxyethylidene)bisphosphonic acid | CAS-No.: 3794-83-0<br>EC-No.: 223-267-7<br>REACH-no: 01-2119510382-52                               | ( 30 <C < 100) Eye Irrit. 2, H319   |
| Potassium Hydroxide                                 | CAS-No.: 1310-58-3<br>EC-No.: 215-181-3<br>EC Index-No.: 019-002-00-8<br>REACH-no: 01-2119487136-33 | ( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C < 100) Skin Corr. 1A, H314 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : 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 | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 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

|                      |   |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. |
|----------------------|---|

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### 6.1.2. For emergency responders

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

### 6.2. Environmental precautions

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

### 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. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.  
Incompatible products : Oxidizing agent. Strong acids. Strong bases.  
Special rules on packaging : Keep only in original container. Store in a closed container.

### 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

| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5) |   |
|---|---|
| EU - Indicative Occupational Exposure Limit (IOEL)                      |   |
| Local name  | 2-(2-Butoxyethoxy)ethanol                             |
| IOEL TWA  | 67.5 mg/m <sup>3</sup>                                |
| IOEL STEL   | 101.2 mg/m <sup>3</sup>                               |
| IOEL STEL [ppm]   | 15 ppm  |
| Regulatory reference  | COMMISSION DIRECTIVE 2006/15/EC                       |
| Ireland - Occupational Exposure Limits                                  |   |
| 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  | 15 ppm  |
| Remark  | IOELV (Indicative Occupational Exposure Limit Values) |

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| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5) |                                       |
|---|---------------------------------------|
| 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 |
| sodium hydroxide; caustic soda (1310-73-2)                              |                                       |
| <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 symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Use eye protection according to EN 166. Safety glasses

#### 8.2.2.2. Skin protection

##### Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent)

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Not required under normal conditions of use.

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

A risk assessment should be carried out prior to use to determine the exposure risk to the chemical. Specific work environments and material handling practices may vary; therefore, safety procedures should be developed and PPE selected for each intended application. Consultation with PPE supplier/manufacture will help determine suitability as protection time cannot be accurately estimated for mixtures (such as glove breakthrough time). PPE should be worn to prevent any contact with the chemical. Any contaminated clothing should be washed prior to re-use.

## SECTION 9: Physical and chemical properties

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

|   |                  |
|---|------------------|
| Physical state                                  | : Liquid         |
| Colour  | : brown.         |
| Odour   | : odourless.     |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not applicable |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Non flammable. |
| Explosive limits                                | : Not available  |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : Not available  |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : > 11.5         |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : 1.2 – 1.3      |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

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

#### 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

|                    |  |
|--------------------|--|
| LD50 dermal rabbit | 2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645 |
|--------------------|--|

#### tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)

|                    |   |
|--------------------|---|
| LD50 oral rat      | 2850 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2489 - 3211 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)               |
| LD50 dermal        | > 5000 mg/kg  |

Skin corrosion/irritation : Causes severe skin burns.  
pH: > 11.5

#### tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)

|    |      |
|----|------|
| pH | ≈ 11 |
|----|------|

#### Potassium Hydroxide (1310-58-3)

|    |  |
|----|--|
| pH | ≈ 13.5 Temp.: 25 °C Concentration: 5,611 g/L |
|----|--|

Serious eye damage/irritation : Causes serious eye damage.  
pH: > 11.5

#### tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)

|    |      |
|----|------|
| pH | ≈ 11 |
|----|------|

#### Potassium Hydroxide (1310-58-3)

|    |  |
|----|--|
| pH | ≈ 13.5 Temp.: 25 °C Concentration: 5,611 g/L |
|----|--|

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

#### tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)

|   |  |
|---|--|
| NOAEL (chronic, oral, animal/male, 2 years) | ≥ 384 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information) |
|---|--|

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| <b>tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)</b> |  |
|--|--|
| NOAEL (chronic, oral, animal/female, 2 years)                          | ≥ 493 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information) |

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

| <b>2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)</b> |   |
|--|---|
| NOAEL (oral, rat, 90 days)   | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |

| <b>tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)</b> |   |
|--|---|
| LOAEL (oral, rat, 90 days)   | 169 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified

| <b>2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)</b> |                            |
|--|----------------------------|
| Viscosity, kinematic   | ≈ 6.794 mm <sup>2</sup> /s |

### 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

| <b>2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)</b> |   |
|--|---|
| LC50 - Fish [1]  | 1300 mg/l Test organisms (species): Lepomis macrochirus   |
| EC50 - Crustacea [1]   | > 100 mg/l Test organisms (species): Daphnia magna  |
| EC50 96h - Algae [1]   | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

| <b>tetrasodium (1-hydroxyethylidene)bisphosphonic acid (3794-83-0)</b> |   |
|--|---|
| LC50 - Fish [1]  | 195 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]   | 527 mg/l Test organisms (species): Daphnia magna  |
| NOEC (chronic)   | 6.75 mg/l Test organisms (species): Daphnia magna Duration: '28 d'                      |

| <b>sodium hydroxide; caustic soda (1310-73-2)</b> |  |
|---|--|
| EC50 - Crustacea [1]                              | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |

### 12.2. Persistence and degradability

No additional information available

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### 12.3. Bioaccumulative potential

No additional information available

### 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.  |
| Product/Packaging disposal recommendations | : Wash packaging with a suitable cleaner (water) before recycling. Otherwise dispose of as contaminated packaging. Always dispose of packaging in accordance with local regulations. |
| European List of Waste (LoW, EC 2000/532)  | : 20 01 29* - detergents containing dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances                                     |

## SECTION 14: Transport information

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

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1824   | UN 1824   | UN 1824   | UN 1824   | UN 1824   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| SODIUM HYDROXIDE SOLUTION   | SODIUM HYDROXIDE SOLUTION   | Sodium hydroxide solution   | SODIUM HYDROXIDE SOLUTION   | SODIUM HYDROXIDE SOLUTION   |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II, (E)                                       | UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II  | UN 1824 Sodium hydroxide solution, 8, II  | UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II  | UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II  |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 8   | 8   | 8   | 8   | 8   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| II  | II  | II  | II  | II  |

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| ADR                                    | IMDG  | IATA                              | ADN                               | RID                               |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <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 | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available |   |                                   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)                                 | : C5          |
| Limited quantities (ADR)                                  | : 1I          |
| Excepted quantities (ADR)                                 | : E2          |
| Packing instructions (ADR)                                | : P001, IBC02 |
| Mixed packing provisions (ADR)                            | : MP15        |
| Portable tank and bulk container instructions (ADR)       | : T7          |
| Portable tank and bulk container special provisions (ADR) | : TP2         |
| Tank code (ADR)   | : L4BN        |
| Tank special provisions (ADR)                             | : TU42        |
| Vehicle for tank carriage                                 | : AT          |
| Transport category (ADR)                                  | : 2           |
| Hazard identification number (Kemler No.)                 | : 80          |
| Orange plates   | :             |



|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 2R |

#### Transport by sea

|                                    |  |
|------------------------------------|--|
| Packing instructions (IMDG)        | : P001   |
| IBC packing instructions (IMDG)    | : IBC02  |
| Tank instructions (IMDG)           | : T7   |
| Tank special provisions (IMDG)     | : TP2  |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : A  |
| Segregation (IMDG)                 | : SG35   |
| Properties and observations (IMDG) | : Colourless liquid. Corrosive to aluminium, zinc and tin. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids. |

#### Air transport

|  |            |
|--|------------|
| PCA Excepted quantities (IATA)               | : E2       |
| 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 |
| ERG code (IATA)                              | : 8L       |

#### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C5     |
| Limited quantities (ADN)          | : 1 L    |
| Excepted quantities (ADN)         | : E2     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

# Heavy Duty Oven / Drain Cleaner

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Rail transport

|   |               |
|---|---------------|
| Classification code (RID)                                 | : C5          |
| Limited quantities (RID)                                  | : 1L          |
| Excepted quantities (RID)                                 | : E2          |
| Packing instructions (RID)                                | : P001, IBC02 |
| Mixed packing provisions (RID)                            | : MP15        |
| Portable tank and bulk container instructions (RID)       | : T7          |
| Portable tank and bulk container special provisions (RID) | : TP2         |
| Tank codes for RID tanks (RID)                            | : L4BN        |
| Special provisions for RID tanks (RID)                    | : TU42        |
| Transport category (RID)                                  | : 2           |
| Colis express (express parcels) (RID)                     | : CE6         |
| Hazard identification number (RID)                        | : 80          |

### 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)

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

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

##### Drug Precursors Regulation (273/2004)

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

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|     |   |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
|-----|---|

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

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| 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 |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| 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. 1                        | Skin corrosion/irritation, 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                  |

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.