



# NILCO HEAVY DUTY CLEANER/DEGREASER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 19/04/2024 Revision date: 02/02/2024 Supersedes version of: 18/09/2023 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : NILCO HEAVY DUTY CLEANER/DEGREASER  
Product code : NIL008 NIL027 NIL808 NIL827 NIL927 NIL908 NIL126 CDI126  
Type of product : Detergent  
Product group : End product

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Industrial use, Professional use, Consumer use

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Tetrosyl Limited  
Newgate House  
Rochdale, Lancashire, OL16 1AT  
T 0161 764 5981  
[info@tetrosyl.com](mailto:info@tetrosyl.com), [www.tetrosyl.com](http://www.tetrosyl.com)  
E-mail address of competent person responsible for the SDS :  
[ataylor@jamesbriggs.co.uk](mailto:ataylor@jamesbriggs.co.uk)

##### Distributor

Tetrosyl Europe  
CRT3 - 79 rue du chemin vert 70  
59273 59.273 Fretin, Hauts de France  
France  
T 03 20 28 06 30  
[qualite@tetrosyl-france.com](mailto:qualite@tetrosyl-france.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 161 620 5400

| Country/Area   | Organisation/Company                                                         | Address                                  | Emergency number                                                                                       | Comment                              |
|----------------|------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +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 Birmingham        | 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]

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.

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### 2.2. Label elements

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

Hazard pictograms (CLP)

:



GHS05

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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).

P405 - Store locked up.

Child-resistant fastening

: Applicable

Tactile warning

: Applicable

### 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]                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| TRISODIUM NITRILOTRIACETATE<br>substance with national workplace exposure limit(s)<br>(DE)                                                                                  | CAS-No.: 5064-31-3<br>EC-No.: 225-768-6<br>EC Index-No.: 607-620-00-6 | 0.0000001 – 0.1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT RE 1, H372<br>Aquatic Chronic 3, H412 |
| 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, MK, CH) | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>REACH-no: 01-2119457892-27 | 0.0000001 – 0.1 | Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318                                                                             |

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| Specific concentration limits: |                                                                       |                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Name                           | Product identifier                                                    | Specific concentration limits (%)                                                                                                             |
| TRISODIUM NITRILOTRIACETATE    | CAS-No.: 5064-31-3<br>EC-No.: 225-768-6<br>EC Index-No.: 607-620-00-6 | (5 ≤ C ≤ 100) Carc. 2, H351                                                                                                                   |
| SODIUM HYDROXIDE               | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>REACH-no: 01-2119457892-27 | (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

### Detergent Regulation (648/2004)

| Ingredient data sheet                                              |            |          |
|--------------------------------------------------------------------|------------|----------|
| Component                                                          | CAS-No.    | %        |
| WATER                                                              | 7732-18-5  | ≥10%     |
| disodium metasilicate                                              | 6834-92-0  | 0.1 - 1% |
| SODIUM GLUCONATE                                                   | 527-07-1   | 0.1 - 1% |
| POLY(OXY-1,2 ETHANEDIOL)-PHENYL-HYDROXY PHOSPHATE POTASSIUM SALT   | 72283-31-9 | 0.1 - 1% |
| ISOTRIDECYL ALCOHOL ETHOXYLATE                                     | 78330-21-9 | 0.1 - 1% |
| TETRASODIUM EDTA                                                   | 64-02-8    | 0.1 - 1% |
| GLYCINE, N-(CARBOXYMETHYL)-N-[2-[(CARBOXYMETHYL)-], TRISODIUM SALT | 19019-43-3 | <0.1%    |
| SODIUM GLYCOLATE                                                   | 2836-32-0  | <0.1%    |
| NON HAZARDOUS                                                      |            | <0.1%    |
| TRISODIUM NTA                                                      | 5064-31-3  | <0.1%    |
| sodium hydroxide; caustic soda                                     | 1310-73-2  | <0.1%    |
| Colorant                                                           | 81-88-9    | <0.1%    |

| Labelling of contents |     |
|-----------------------|-----|
| Component             | %   |
| anionic surfactants   | <5% |

## 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 inhalation   | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : Burns.                                                                                                                                |
| Symptoms/effects after eye contact  | : Serious damage to eyes.                                                                                                               |
| Symptoms/effects after ingestion    | : Burns.                                                                                                                                |

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### 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. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

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

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

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

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| 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

|                                   |                                                                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                            |
| 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. |

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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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Store locked up.  
Packaging materials : Store always product in container of same material as original container.

#### Germany

Storage class (LGK, TRGS 510) : LGK 8B - Non-combustible corrosive substances

|                     |   |          |         |          |          |           |
|---------------------|---|----------|---------|----------|----------|-----------|
| Joint storage table | : | LGK 1    | LGK 2A  | LGK 2B   | LGK 3    | LGK 4.1A  |
|                     |   | LGK 4.1B | LGK 4.2 | LGK 4.3  | LGK 5.1A | LGK 5.1B  |
|                     |   | LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C  |
|                     |   | LGK 6.1D | LGK 6.2 | LGK 7    | LGK 8A   | LGK 8B    |
|                     |   | LGK 10   | LGK 11  | LGK 12   | LGK 13   | LGK 10-13 |

Joint storage not permitted for : LGK 1, LGK 5.1A, LGK 5.2, LGK 6.2, LGK 7  
Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1C  
Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 5.1B, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

#### Switzerland

Storage class (LK) : LK 8 - Corrosive materials

### 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

| SODIUM HYDROXIDE (1310-73-2)           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Austria - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Local name                             | Natriumhydroxid (Ätznatron)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MAK (OEL TWA)                          | 2 mg/m <sup>3</sup> (E)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MAK (OEL STEL)                         | 4 mg/m <sup>3</sup> (E, 8x 5(Mow) min)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Regulatory reference                   | BGBI. II Nr. 156/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Belgium - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Local name                             | Sodium (hydroxyde de) # Natriumhydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                 | M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkproces moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode. |
| Regulatory reference                   | Koninklijk besluit/Arrêté royal 11/05/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| SODIUM HYDROXIDE (1310-73-2)                  |                                                                                                                                                                                   |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bulgaria - Occupational Exposure Limits       |                                                                                                                                                                                   |
| Local name                                    | Натриева основа                                                                                                                                                                   |
| OEL TWA                                       | 2 mg/m <sup>3</sup> (алкални аерозоли)                                                                                                                                            |
| Remark                                        | • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)                                                              |
| Regulatory reference                          | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.) |
| Croatia - Occupational Exposure Limits        |                                                                                                                                                                                   |
| Local name                                    | Natrijev hidroksid; kaustična soda                                                                                                                                                |
| KGVI (OEL STEL)                               | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Regulatory reference                          | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)                      |
| Czech Republic - Occupational Exposure Limits |                                                                                                                                                                                   |
| Local name                                    | Hydroxid sodný                                                                                                                                                                    |
| PEL (OEL TWA)                                 | 1 mg/m <sup>3</sup>                                                                                                                                                               |
| NPK-P (OEL C)                                 | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Remark                                        | I - dráždívá sliznice (oči, dýchací cesty), respektive kůže.                                                                                                                      |
| Regulatory reference                          | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)                                                                                                                             |
| Denmark - Occupational Exposure Limits        |                                                                                                                                                                                   |
| Local name                                    | Natriumhydroxid                                                                                                                                                                   |
| OEL C                                         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Regulatory reference                          | BEK nr 1054 af 28/06/2022                                                                                                                                                         |
| Estonia - Occupational Exposure Limits        |                                                                                                                                                                                   |
| Local name                                    | Naatriumhüdroksiid                                                                                                                                                                |
| OEL TWA                                       | 1 mg/m <sup>3</sup>                                                                                                                                                               |
| OEL STEL                                      | 2 mg/m <sup>3</sup> arvutatud 5-minutisele kokkupuuteajale                                                                                                                        |
| Regulatory reference                          | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1)                                                                                                       |
| Finland - Occupational Exposure Limits        |                                                                                                                                                                                   |
| Local name                                    | Natriumhydroksidi                                                                                                                                                                 |
| HTP (OEL C)                                   | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Regulatory reference                          | HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)                                                                                                                                   |
| France - Occupational Exposure Limits         |                                                                                                                                                                                   |
| Local name                                    | Sodium (hydroxyde de)                                                                                                                                                             |
| VME (OEL TWA)                                 | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Remark                                        | Valeurs recommandées/admises                                                                                                                                                      |
| Regulatory reference                          | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)                                                                                                                      |
| Greece - Occupational Exposure Limits         |                                                                                                                                                                                   |
| Local name                                    | Υδροξείδιο του νατρίου                                                                                                                                                            |
| OEL TWA                                       | 2 mg/m <sup>3</sup>                                                                                                                                                               |

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| SODIUM HYDROXIDE (1310-73-2)             |                                                                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OEL STEL                                 | 2 mg/m <sup>3</sup>                                                                                                                                                            |
| Regulatory reference                     | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους                                        |
| Hungary - Occupational Exposure Limits   |                                                                                                                                                                                |
| Local name                               | NÁTRIUM-HIDROXID                                                                                                                                                               |
| AK (OEL TWA)                             | 1 mg/m <sup>3</sup>                                                                                                                                                            |
| CK (OEL STEL)                            | 2 mg/m <sup>3</sup>                                                                                                                                                            |
| Remark                                   | m (maró hatású anyag, amely felmarja a bőrt, nyálkahártyát, szemet vagy mindhármat); N (Irritáló anyagok, egyszerű fojtógázok, csekély egészségkárosító hatással bíró anyagok) |
| Regulatory reference                     | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                               |
| Ireland - Occupational Exposure Limits   |                                                                                                                                                                                |
| Local name                               | Sodium hydroxide                                                                                                                                                               |
| OEL STEL                                 | 2 mg/m <sup>3</sup>                                                                                                                                                            |
| Regulatory reference                     | Chemical Agents Code of Practice 2021                                                                                                                                          |
| Latvia - Occupational Exposure Limits    |                                                                                                                                                                                |
| Local name                               | Nātrija hidroksīds (nātrija sārms, kaustiskā soda)                                                                                                                             |
| OEL TWA                                  | 0.5 mg/m <sup>3</sup>                                                                                                                                                          |
| Regulatory reference                     | Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92)                                             |
| Lithuania - Occupational Exposure Limits |                                                                                                                                                                                |
| Local name                               | Natrio hidroksidas                                                                                                                                                             |
| NRV (OEL C)                              | 2 mg/m <sup>3</sup>                                                                                                                                                            |
| Remark                                   | Ū (ūmus poveikis)                                                                                                                                                              |
| Regulatory reference                     | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)                                                                                                              |
| Poland - Occupational Exposure Limits    |                                                                                                                                                                                |
| Local name                               | Wodorotlenek sodu                                                                                                                                                              |
| NDS (OEL TWA)                            | 0.5 mg/m <sup>3</sup>                                                                                                                                                          |
| NDSch (OEL STEL)                         | 1 mg/m <sup>3</sup>                                                                                                                                                            |
| Regulatory reference                     | Dz. U. 2018 poz. 1286                                                                                                                                                          |
| Portugal - Occupational Exposure Limits  |                                                                                                                                                                                |
| Local name                               | Hidróxido de sódio                                                                                                                                                             |
| OEL C                                    | 2 ppm                                                                                                                                                                          |
| Regulatory reference                     | Norma Portuguesa NP 1796:2014                                                                                                                                                  |
| Slovakia - Occupational Exposure Limits  |                                                                                                                                                                                |
| Local name                               | Hydroxid sodný                                                                                                                                                                 |
| NPHV (OEL TWA)                           | 2 mg/m <sup>3</sup>                                                                                                                                                            |
| Regulatory reference                     | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)                                                                                                                            |
| Spain - Occupational Exposure Limits     |                                                                                                                                                                                |
| Local name                               | Hidróxido de sodio                                                                                                                                                             |

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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VLA-EC (OEL STEL)                              | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulatory reference                           | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sweden - Occupational Exposure Limits          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Natriumhydroxid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NGV (OEL TWA)                                  | 1 mg/m <sup>3</sup> inhalerbar fraktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KGV (OEL STEL)                                 | 2 mg/m <sup>3</sup> inhalerbar fraktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remark                                         | 3 (Med inhalerbar fraktion menas den mängd partiklar, av totalmängden partiklar i luften, som man inandas genom näsa och mun)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Regulatory reference                           | Hygieniska gränsvärden (AFS 2018:1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| United Kingdom - Occupational Exposure Limits  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Sodium hydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WEL STEL (OEL STEL)                            | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulatory reference                           | EH40/2005 (Fourth edition, 2020). HSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Iceland - Occupational Exposure Limits         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Natriumhýdroxíð (vítissóti)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL STEL                                       | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulatory reference                           | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Norway - Occupational Exposure Limits          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Natriumhydroksid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Takverdi (OEL C)                               | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulatory reference                           | FOR-2021-06-28-2248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| North Macedonia - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Натриум хидроксид                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| OEL TWA                                        | 2 mg/m <sup>3</sup> (l) инхалабилна фракција – дел на вкупно суспендирани материи, кои работникот ги вдишува                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KTV                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Short time value [mg/m <sup>3</sup> ]          | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Remark                                         | (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусно време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m <sup>3</sup> или во ml/m <sup>3</sup> (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (Y) |
| Regulatory reference                           | Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Switzerland - Occupational Exposure Limits     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Soude caustique / Natriumhydroxid [Aetznatron]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MAK (OEL TWA)                                  | 2 mg/m <sup>3</sup> (i) / (e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| KZGW (OEL STEL)                                | 2 mg/m <sup>3</sup> (i) / (e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| SODIUM HYDROXIDE (1310-73-2)                      |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Critical toxicity                                 | VRS, Peau, Yeux / OAW, Haut, Auge                                                                                                                                                                                                                                                                                                 |
| Notation                                          | SS <sub>C</sub> / SS <sub>C</sub>                                                                                                                                                                                                                                                                                                 |
| Remark                                            | NIOSH, OSHA                                                                                                                                                                                                                                                                                                                       |
| Regulatory reference                              | www.suva.ch, 28.03.2022                                                                                                                                                                                                                                                                                                           |
| USA - ACGIH - Occupational Exposure Limits        |                                                                                                                                                                                                                                                                                                                                   |
| Local name                                        | Sodium hydroxide                                                                                                                                                                                                                                                                                                                  |
| ACGIH OEL C                                       | 2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                               |
| Remark (ACGIH)                                    | TLV® Basis: URT, eye, & skin irr                                                                                                                                                                                                                                                                                                  |
| Regulatory reference                              | ACGIH 2024                                                                                                                                                                                                                                                                                                                        |
| TRISODIUM NITRILOTRIACETATE (5064-31-3)           |                                                                                                                                                                                                                                                                                                                                   |
| Austria - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                   |
| Local name                                        | N,N-Bis(carboxymethyl)-glycin, Trinatrium-Salz                                                                                                                                                                                                                                                                                    |
| Remark                                            | Krebserzeugend: III B                                                                                                                                                                                                                                                                                                             |
| Regulatory reference                              | BGBl. II Nr. 156/2021                                                                                                                                                                                                                                                                                                             |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                                                                                                                                                                                                                                   |
| Local name                                        | Nitilotriessigsäure und ihre Natriumsalze                                                                                                                                                                                                                                                                                         |
| AGW (OEL TWA)                                     | 2 mg/m <sup>3</sup> (E)                                                                                                                                                                                                                                                                                                           |
| Peak exposure limitation factor                   | 4(II)                                                                                                                                                                                                                                                                                                                             |
| Remark                                            | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 35 - Mischexposition mit Eisenverbindungen vermeiden (Fe-NTA-Bildung) |
| Regulatory reference                              | TRGS900                                                                                                                                                                                                                                                                                                                           |

### 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:

Wear recommended personal protective equipment.

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Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
|                |                      |                 | EN 166   |

### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

| Hand protection |          |            |                |             |          |
|-----------------|----------|------------|----------------|-------------|----------|
| Type            | Material | Permeation | Thickness (mm) | Penetration | Standard |
|                 |          |            |                |             | EN 374-3 |

| Other skin protection<br>Materials for protective clothing |          |             |
|------------------------------------------------------------|----------|-------------|
| Condition                                                  | Material | Standard    |
|                                                            |          | EN ISO 6530 |

### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

### 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                | : Light (or pale). pink. Purple. |
| Appearance            | : Clear liquid.                  |
| Odour                 | : characteristic.                |
| Odour threshold       | : Not available                  |
| Melting point         | : Not applicable                 |
| Freezing point        | : Not available                  |
| Boiling point         | : 100 °C                         |
| Flammability          | : Non flammable.                 |
| Lower explosion limit | : Not available                  |

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|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Upper explosion limit                           | : Not available                                 |
| Flash point                                     | : Not available<br>Not sustained combustibility |
| Auto-ignition temperature                       | : Not available                                 |
| Decomposition temperature                       | : Not available                                 |
| pH                                              | : 12 – 14                                       |
| pH solution concentration                       | : 10 %                                          |
| Viscosity, kinematic                            | : < 50 mm <sup>2</sup> /s                       |
| Viscosity, dynamic                              | : < 50 cP                                       |
| 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                                         | : Not available                                 |
| Relative density                                | : 1.005 – 1.025                                 |
| 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

Not sustained combustibility : Yes

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). High temperature. >50°C.

### 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. Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

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

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Acute toxicity (oral)             | : Not classified                            |
| Acute toxicity (dermal)           | : Not classified                            |
| Acute toxicity (inhalation)       | : Not classified                            |
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 12 – 14  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 12 – 14 |
| Respiratory or skin sensitisation | : Not classified                            |

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Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

### TRISODIUM NITRILOTRIACETATE (5064-31-3)

|                                             |                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (chronic, oral, animal/male, 2 years) | 100 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other: |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

### TRISODIUM NITRILOTRIACETATE (5064-31-3)

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| NOAEL (oral, rat, 90 days)          | 9 mg/kg bodyweight Animal: rat, Animal sex: male                |
| NOAEL (dermal, rat/rabbit, 90 days) | 50 mg/kg bodyweight Animal: rabbit                              |
| STOT-repeated exposure              | Causes damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

### NILCO HEAVY DUTY CLEANER/DEGREASER

|                      |                         |
|----------------------|-------------------------|
| Viscosity, kinematic | < 50 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

### TRISODIUM NITRILOTRIACETATE (5064-31-3)

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 114 mg/l Test organisms (species): Pimephales promelas                                                 |
| EC50 72h - Algae [1] | > 91.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)  |
| NOEC (chronic)       | 9.3 mg/l Test organisms (species): other aquatic arthropod: Duration: '147 d'                          |
| NOEC chronic fish    | > 54 mg/l Test organisms (species): Pimephales promelas Duration: '224 d'                              |

### 12.2. Persistence and degradability

#### NILCO HEAVY DUTY CLEANER/DEGREASER

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### SODIUM HYDROXIDE (1310-73-2)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### TRISODIUM NITRILOTRIACETATE (5064-31-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

No additional information available

# NILCO HEAVY DUTY CLEANER/DEGREASER

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### 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

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Do not re-use empty containers.                                                             |

## 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>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

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### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 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)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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

##### 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

##### Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

ABM category : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment  
SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

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### 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 |
|                       | Supersedes version of          | Added    |          |
|                       | Revision date                  | Added    |          |
| 2.2                   | Precautionary statements (CLP) | Modified |          |

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

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| Abbreviations and acronyms: |                                          |
|-----------------------------|------------------------------------------|
| 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                                 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Carc. 2                             | Carcinogenicity, Category 2                                       |
| 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.                                    |
| H351                                | Suspected of causing cancer.                                      |
| H372                                | Causes damage to organs through prolonged or repeated exposure.   |
| H412                                | Harmful to aquatic life with long lasting effects.                |
| 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                             |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1    |

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.