

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

### 1.1. Product identifier

Product form : Mixture  
Product name : INDUSTRIAL DEGREASER  
Product code : TD39  
Product group : End product

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

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Bradite Paints  
Ogwen Valley Works  
Bethesda Gwynedd  
LL57 4YP  
T +44 (0)1248 600315 - F +44 (0)1248 602782  
[sales@bradite.com](mailto:sales@bradite.com)

### 1.4. Emergency telephone number

Emergency number : +44 (0)1248 600315

## 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 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Full text of H- and EUH-statements: see section 16

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

Causes skin irritation. Causes serious eye irritation.

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.

### 2.3. Other hazards

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

## 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]   |
|---|---|-----|---|
| TETRAPOTASSIUM PYROPHOSPHATE  | CAS-No.: 7320-34-5<br>EC-No.: 230-785-7<br>REACH-no: 01-2119489369-18 | < 5 | Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h)<br>Eye Irrit. 2, H319 |
| POLYOXYETHYLENE, C9-11 ALCOHOL  | CAS-No.: 68439-46-3   | < 5 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Eye Dam. 1, H318  |
| 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>EC Index-No.: 011-002-00-6 | < 5 | Skin Corr. 1A, H314<br>Aquatic Chronic 3, H412  |

### Specific concentration limits:

| Name             | Product identifier  | Specific concentration limits  |
|------------------|---|--|
| SODIUM HYDROXIDE | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6 | ( 0.5 $\leq$ C $\leq$ 2) Skin Irrit. 2, H315<br>( 0.5 $\leq$ C $\leq$ 2) Eye Irrit. 2, H319<br>( 2 $\leq$ C $\leq$ 5) Skin Corr. 1B, H314<br>( 5 $\leq$ C < 100) Skin Corr. 1A, H314 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

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

|                                     |                   |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation.     |
| Symptoms/effects after eye contact  | : Eye irritation. |

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

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

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

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

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

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

Coatings and paints, thinners, paint removers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

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| <b>SODIUM HYDROXIDE (1310-73-2)</b>                  |   |
|--|---|
| <b>Austria - Occupational Exposure Limits</b>        |   |
| 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   |
| <b>Belgium - Occupational Exposure Limits</b>        |   |
| 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 werkprocédé 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  |
| <b>Bulgaria - Occupational Exposure Limits</b>       |   |
| 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.)   |
| <b>Croatia - Occupational Exposure Limits</b>        |   |
| 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)  |
| <b>Czech Republic - Occupational Exposure Limits</b> |   |
| 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 - drážďí sliznice (oči, dýchací cesty), respektive kůži.  |
| Regulatory reference                                 | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)   |
| <b>Denmark - Occupational Exposure Limits</b>        |   |
| Local name   | Natriumhydroxid   |
| OEL C  | 2 mg/m <sup>3</sup>   |
| Regulatory reference                                 | BEK nr 2203 af 29. november 2021  |

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| <b>SODIUM HYDROXIDE (1310-73-2)</b>             |  |
|---|--|
| <b>Estonia - Occupational Exposure Limits</b>   |  |
| 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)  |
| <b>Finland - Occupational Exposure Limits</b>   |  |
| Local name                                      | Natriumhydroksidi  |
| HTP (OEL C)                                     | 2 mg/m <sup>3</sup>  |
| Regulatory reference                            | HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)  |
| <b>France - Occupational Exposure Limits</b>    |  |
| 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)   |
| <b>Greece - Occupational Exposure Limits</b>    |  |
| Local name                                      | Υδροξείδιο του νατρίου   |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| 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  |
| <b>Hungary - Occupational Exposure Limits</b>   |  |
| 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 mindhármát); 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   |
| <b>Ireland - Occupational Exposure Limits</b>   |  |
| Local name                                      | Sodium hydroxide   |
| OEL STEL  | 2 mg/m <sup>3</sup>  |
| Regulatory reference                            | Chemical Agents Code of Practice 2021  |
| <b>Latvia - Occupational Exposure Limits</b>    |  |
| 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)   |
| <b>Lithuania - Occupational Exposure Limits</b> |  |
| Local name                                      | Natrio hidroksidas   |
| NRV (OEL C)                                     | 2 mg/m <sup>3</sup>  |

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| <b>SODIUM HYDROXIDE (1310-73-2)</b>                  |   |
|--|---|
| Remark   | Ū (ūmus poveikis)   |
| Regulatory reference                                 | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)   |
| <b>Poland - Occupational Exposure Limits</b>         |   |
| 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   |
| <b>Portugal - Occupational Exposure Limits</b>       |   |
| Local name   | Hidróxido de sódio  |
| OEL C [ppm]  | 2 ppm   |
| Regulatory reference                                 | Norma Portuguesa NP 1796:2014   |
| <b>Slovakia - Occupational Exposure Limits</b>       |   |
| Local name   | Hydroxid sodný  |
| NPHV (OEL TWA) [1]                                   | 2 mg/m <sup>3</sup>   |
| Regulatory reference                                 | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |
| <b>Spain - Occupational Exposure Limits</b>          |   |
| Local name   | Hidróxido de sodio  |
| VLA-EC (OEL STEL)                                    | 2 mg/m <sup>3</sup>   |
| Regulatory reference                                 | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT   |
| <b>Sweden - Occupational Exposure Limits</b>         |   |
| Local name   | Natriumhydroxid   |
| NGV (OEL TWA)  | 1 mg/m <sup>3</sup> inhalerbar fraktion   |
| KTV (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)   |
| <b>United Kingdom - Occupational Exposure Limits</b> |   |
| Local name   | Sodium hydroxide  |
| WEL STEL (OEL STEL)                                  | 2 mg/m <sup>3</sup>   |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>Iceland - Occupational Exposure Limits</b>        |   |
| Local name   | Natríumhýdroxíð (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)                                     |
| <b>Norway - Occupational Exposure Limits</b>         |   |
| Local name   | Natriumhydroksid  |
| Takverdi (OEL C) [1]                                 | 2 mg/m <sup>3</sup>   |
| Regulatory reference                                 | FOR-2021-06-28-2248   |

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| SODIUM HYDROXIDE (1310-73-2)                          |  |
|---|--|
| <b>North Macedonia - Occupational Exposure Limits</b> |  |
| 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 покосо 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)   |
| <b>Switzerland - Occupational Exposure Limits</b>     |  |
| Local name  | Soude caustique / Natriumhydroxid [Aetznatron]   |
| MAK (OEL TWA) [1]                                     | 2 mg/m <sup>3</sup> (i) / (e)  |
| KZGW (OEL STEL)                                       | 2 mg/m <sup>3</sup> (i) / (e)  |
| 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  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>     |  |
| Local name  | Sodium hydroxide   |
| ACGIH OEL C   | 2 mg/m <sup>3</sup>  |
| Remark (ACGIH)  | TLV® Basis: URT, eye, & skin irr   |
| Regulatory reference                                  | ACGIH 2022   |

### 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.

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### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

#### 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  | : pink.                     |
| Odour   | : Barely perceptible odour. |
| Odour threshold                                 | : No data available         |
| pH  | : 11.5                      |
| Relative evaporation rate (butylacetate=1)      | : No data available         |
| Melting point                                   | : No data available         |
| Freezing point                                  | : No data available         |
| Boiling point                                   | : ≈ 100 °C                  |
| Flash point                                     | : No data available         |
| Auto-ignition temperature                       | : Not applicable.           |
| Decomposition temperature                       | : No data available         |
| Flammability (solid, gas)                       | : Not applicable            |
| Vapour pressure                                 | : No data available         |
| Relative vapour density at 20°C                 | : Not applicable.           |
| Relative density                                | : No data available         |
| Density   | : ≈ 1                       |
| Solubility                                      | : Miscible with water.      |
| Partition coefficient n-octanol/water (Log Pow) | : No data available         |
| Viscosity, kinematic                            | : No data available         |
| Viscosity, dynamic                              | : No data available         |
| Explosive properties                            | : No data available         |
| Oxidising properties                            | : No data available         |
| Explosive limits                                | : No data available         |

### 9.2. Other information

No additional information available



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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

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

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

#### TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

|                       |   |
|-----------------------|---|
| LD50 oral rat         | 300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure), Remarks on results: other: |
| LD50 dermal rabbit    | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| LC50 Inhalation - Rat | > 1.1 mg/l/4h Animal: rat, Guideline: other:, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other:, Guideline: other:, Guideline: other:  |

Skin corrosion/irritation : Causes skin irritation.  
pH: 11.5  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 11.5  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

#### TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
|----------------------------|---|

Aspiration hazard : Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

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

Not rapidly degradable

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

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |
|----------------------|--|

#### TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)             |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code : 08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

### SECTION 14: Transport information

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

| ADR                                  | IMDG          | IATA          | ADN           | RID           |
|--------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>               |               |               |               |               |
| Not regulated                        | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b> |               |               |               |               |
| Not regulated                        | Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

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

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

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

##### REACH Candidate List (SVHC)

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

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

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

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

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

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

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

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

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

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### Drug Precursors Regulation (273/2004)

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

### 15.1.2. National regulations

#### Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
- Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
- Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids.
- 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 6.2, LGK 7.
- Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C.
- Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, 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.
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of 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

#### Switzerland

- Storage class (LK) : LK 10/12 - Liquids

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |

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

| Full text of H- and EUH-statements:    |   |
|--|---|
| Acute Tox. 4<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 3                      | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1                             | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                           | Serious eye damage/eye irritation, Category 2                     |
| 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.                                    |
| H332                                   | Harmful if inhaled.   |

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

|               |  |
|---------------|--|
| H412          | Harmful to aquatic life with long lasting effects.     |
| 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                  |

The classification complies with : ATP 12

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.