



# Cleanline Heavy Duty Cleaner & Degreaser Concentrate

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 5/4/2017 Revision date: 5/13/2024 Supersedes version of: 8/19/2021 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Cleanline Heavy Duty Cleaner & Degreaser Concentrate  
UFI : 0CY6-C01Q-D007-CUKC  
Product code : CL1001

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

##### Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Cleaning product

##### Uses advised against

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

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

##### Supplier

Prime Source  
PO Box 15247  
Birmingham  
B23 3HN  
UK  
Tel: 08085 749312  
E-mail: info@prime-source.co.uk

##### Supplier

Prime Source  
Unit D9  
Horizon Logistics Park  
Co. Dublin  
K67 N4T2  
Ireland  
Tel: +353 (0)1 630 1800  
Email: info@prime-source.co.uk

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1865 407 333  
24 hour - Medical Emergency Only

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

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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

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### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: sodium hydroxide; caustic soda

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear eye protection, protective gloves.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).

## 2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                                                              | Product identifier                                                                                  | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------|
| propylene glycol n-butyl ether                                                                    | CAS-No.: 5131-66-8<br>EC-No.: 225-878-4<br>EC Index-No.: 603-052-00-8<br>REACH-no: 01-2119475527-28 | $\geq 1 - < 5$   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       |
| Alcohols, C9-11, ethoxylated                                                                      | CAS-No.: 68439-46-3<br>EC-No.: 614-482-0                                                            | $\geq 1 - < 5$   | Aquatic Chronic 2, H411                                         |
| sodium hydroxide; caustic soda<br>substance with national workplace exposure limit(s)<br>(IE, GB) | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | $\geq 1 - < 5$   | Skin Corr. 1A, H314                                             |
| $\beta$ -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs.,<br>disodium salts                    | CAS-No.: 90170-43-7<br>EC-No.: 290-476-8                                                            | $\geq 0.1 - < 5$ | STOT RE 2, H373<br>Aquatic Chronic 2, H411                      |

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

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

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

|                                     |                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after 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.                                                                                                                                |

### 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. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

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### 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.

### 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.
- 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.
- Incompatible products : Oxidizing agent. Strong bases. Strong acids.
- Special rules on packaging : Keep only in original container. Store in a closed container.
- Packaging materials : Store always product in container of same material as original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| sodium hydroxide; caustic soda (1310-73-2) |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| Ireland - Occupational Exposure Limits     |                                                             |
| Local name                                 | Sodium hydroxide                                            |
| OEL STEL                                   | 2 mg/m <sup>3</sup>                                         |
| Remark                                     | Advisory OELV (Advisory Occupational Exposure Limit Values) |
| Regulatory reference                       | Chemical Agents Code of Practice 2024                       |

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### sodium hydroxide; caustic soda (1310-73-2)

#### 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 |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Use eye protection according to EN 166. Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

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

### Respiratory protection

#### Respiratory protection:

Not required for normal conditions of use

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

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

## SECTION 9: Physical and chemical properties

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

|                       |                  |
|-----------------------|------------------|
| Physical state        | : Liquid         |
| Colour                | : Blue.          |
| Odour                 | : Glycol ether.  |
| Odour threshold       | : Not available  |
| Melting point         | : Not applicable |
| Freezing point        | : Not available  |
| Boiling point         | : Not available  |
| Flammability          | : Non flammable. |
| Lower explosion limit | : Not available  |
| Upper explosion limit | : Not available  |

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|                                                 |                  |
|-------------------------------------------------|------------------|
| Flash point                                     | : Not available  |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH                                              | : > 11.5         |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50°C                         | : Not available  |
| Density                                         | : 1.02 – 1.03    |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable |

### 9.2. Other information

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).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

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

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

| propylene glycol n-butyl ether (5131-66-8) |                                                                                                             |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                              | 3300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2800 - 4500 |
| LD50 dermal rat                            | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                  |
| Alcohols, C9-11, ethoxylated (68439-46-3)  |                                                                                                             |
| LD50 dermal rat                            | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                  |
| LC50 Inhalation - Rat                      | > 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)                       |

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|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: > 11.5  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>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                           |

### propylene glycol n-butyl ether (5131-66-8)

|                                     |                                                                                                                                                                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)          | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days)          | 350 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)  |
| NOAEL (dermal, rat/rabbit, 90 days) | 880 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)                                                                                                                        |

### Alcohols, C9-11, ethoxylated (68439-46-3)

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

### β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

|                            |                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days) | 160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (oral, rat, 90 days) | 43 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)  |
| STOT-repeated exposure     | May cause damage to organs through prolonged or repeated exposure.                                                                                                    |

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                      |
|-----------------------------------------------------------|------------------------------------------------------|
| Ecology - general                                         | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

### sodium hydroxide; caustic soda (1310-73-2)

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

### propylene glycol n-butyl ether (5131-66-8)

|                      |                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| EC50 - Crustacea [1] | > 1000 mg/l Test organisms (species): Daphnia magna                                                                                         |
| EC50 96h - Algae [1] | > 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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| Alcohols, C9-11, ethoxylated (68439-46-3) |                                                                                                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                           | 5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                |
| EC50 - Crustacea [1]                      | 2.5 mg/l Test organisms (species): Daphnia magna                                                                                         |
| EC50 96h - Algae [1]                      | 1.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

| $\beta$ -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) |                                                                                                   |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                                                          | $\approx$ 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]                                                                     | $\approx$ 29 mg/l Test organisms (species): Daphnia magna                                         |
| EC50 72h - Algae [1]                                                                     | $\approx$ 5.5 mg/l Test organisms (species): Chlorella vulgaris                                   |
| EC50 72h - Algae [2]                                                                     | $\approx$ 9.4 mg/l Test organisms (species): Chlorella vulgaris                                   |
| NOEC (chronic)                                                                           | $\approx$ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                        |

### 12.2. Persistence and degradability

| Cleanline Heavy Duty Cleaner & Degreaser Concentrate                                     |                        |
|------------------------------------------------------------------------------------------|------------------------|
| Persistence and degradability                                                            | Rapidly degradable     |
| sodium hydroxide; caustic soda (1310-73-2)                                               |                        |
| Persistence and degradability                                                            | Not rapidly degradable |
| propylene glycol n-butyl ether (5131-66-8)                                               |                        |
| Persistence and degradability                                                            | Not rapidly degradable |
| Alcohols, C9-11, ethoxylated (68439-46-3)                                                |                        |
| Persistence and degradability                                                            | Not rapidly degradable |
| $\beta$ -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) |                        |
| Persistence and degradability                                                            | Not rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.



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|                                            |                                                                                                                                                                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | : Wash packaging with a suitable cleaner (water) before recycling. Otherwise dispose of as contaminated packaging. Always dispose of packaging in accordance with local regulations. Disposal must be done according to official regulations. |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                             |
| European List of Waste (LoW, EC 2000/532)  | : 15 01 10* - packaging containing residues of or contaminated by dangerous substances<br>20 01 29* - detergents containing dangerous substances                                                                                              |

### SECTION 14: Transport information

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

| ADR                                                                                 | IMDG                                                                                                        | IATA                                                                                | ADN                                                                                   | RID                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                                 |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| UN 1760                                                                             | UN 1760                                                                                                     | UN 1760                                                                             | UN 1760                                                                               | UN 1760                                                                               |
| <b>14.2. UN proper shipping name</b>                                                |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda)                           | CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda)                                                   | Corrosive liquid, n.o.s. (sodium hydroxide; caustic soda)                           | CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda)                             | CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda)                             |
| <b>Transport document description</b>                                               |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| UN 1760 CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III, (E)      | UN 1760 CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III                                   | UN 1760 Corrosive liquid, n.o.s. (sodium hydroxide; caustic soda), 8, III           | UN 1760 CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III             | UN 1760 CORROSIVE LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III             |
| <b>14.3. Transport hazard class(es)</b>                                             |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| 8                                                                                   | 8                                                                                                           | 8                                                                                   | 8                                                                                     | 8                                                                                     |
|  |                          |  |  |  |
| <b>14.4. Packing group</b>                                                          |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| III                                                                                 | III                                                                                                         | III                                                                                 | III                                                                                   | III                                                                                   |
| <b>14.5. Environmental hazards</b>                                                  |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |
| Dangerous for the environment: No                                                   | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-B | Dangerous for the environment: No                                                   | Dangerous for the environment: No                                                     | Dangerous for the environment: No                                                     |
| No supplementary information available                                              |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |

### 14.6. Special precautions for user

#### Overland transport

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (ADR)                                 | : C9                      |
| Special provisions (ADR)                                  | : 274                     |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T7                      |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP28               |
| Tank code (ADR)                                           | : L4BN                    |

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Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Hazard identification number (Kemler No.) : 80  
Orange plates :



Tunnel restriction code (ADR) : E  
EAC code : 2X  
APP code : B

### Transport by sea

Special provisions (IMDG) : 223, 274  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP1, TP28  
Stowage category (IMDG) : A  
Stowage and handling (IMDG) : SW2  
Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y841  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 852  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 856  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3, A803  
ERG code (IATA) : 8L

### Inland waterway transport

Classification code (ADN) : C9  
Special provisions (ADN) : 274  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : C9  
Special provisions (RID) : 274  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T7  
Portable tank and bulk container special provisions (RID) : TP1, TP28  
Tank codes for RID tanks (RID) : L4BN  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 80

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

Not applicable

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### SECTION 15: Regulatory information

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

##### 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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

###### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

###### 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)

#### 15.2. 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                                                                       |
| EC50                        | Median effective concentration                                                                  |
| EN                          | European Standard                                                                               |
| IARC                        | International Agency for Research on Cancer                                                     |
| IATA                        | International Air Transport Association                                                         |

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

| Full text of H- and EUH-statements: |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                      |
| 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 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |
| H314                                | Causes severe skin burns and eye damage.                           |
| H315                                | Causes skin irritation.                                            |
| H318                                | Causes serious eye damage.                                         |
| H319                                | Causes serious eye irritation.                                     |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H411                                | Toxic to aquatic life with long lasting effects.                   |
| H412                                | Harmful to aquatic life with long lasting effects.                 |

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.