



# Boat Cleaner (New Chelating Agent) WP 0615

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Reference number: Periodic review of SDS 30/05/2025  
Issue date: 19/06/2014 Revision date: 30/05/2022 Supersedes version of: 21/03/2022 Version: 2.5

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Boat Cleaner (New Chelating Agent) WP 0615  
Product code : WP 0615  
Type of product : Aqueous mixture based on : Chelating agent, Non ionic surfactant, amphoteric surfactants  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Cleaner  
Degreaser.

##### 1.2.2. Uses advised against

No additional information available

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

Wessex Chemical Factors Ltd  
17 Crane Way, Woolsbridge Industrial Park,  
Three Legged Cross, Wimborne, Dorset  
BH21 6FA  
United Kingdom  
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863  
[www.wessexchemicalfactors.co.uk](http://www.wessexchemicalfactors.co.uk)  
E-mail address of competent person responsible for the SDS : [info@wessexchemicalfactors.co.uk](mailto:info@wessexchemicalfactors.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)  
+44 (0) 7973629367 (Out of hours emergency number)

### SECTION 2: Hazards identification

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

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

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

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

Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Contains

alcohols, C9-11, ethoxylated

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|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H318 - Causes serious eye damage.<br>H412 - Harmful to aquatic life with long lasting effects.   |
| Precautionary statements (CLP) | : P280 - Wear protective gloves, protective clothing, eye protection.<br>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. |

### 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   | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|---------------|---|
| glutamic acid, N,N-diacetic acid, tetrasodium salt                                    | CAS-No.: 51981-21-6<br>EC-No.: 257-573-7<br>REACH-no: 01-2119493601-38-XXXX                            | 6 – 15        | Not classified  |
| alcohols, C9-11, ethoxylated  | CAS-No.: 68439-46-3  | $\geq 1$      | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318   |
| $\beta$ -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts           | CAS-No.: 90170-43-7<br>EC-No.: 290-476-8<br>REACH-no: 01-2119976233-35-0001                            | 1 – 6         | Eye Irrit. 2, H319  |
| disodium metasilicate   | CAS-No.: 6834-92-0<br>EC-No.: 229-912-9<br>EC Index-No.: 014-010-00-8                                  | 0.5 – 1       | Met. Corr. 1, H290<br>Skin Corr. 1B, H314<br>STOT SE 3, H335  |
| pentasodium triphosphate  | CAS-No.: 7758-29-4<br>EC-No.: 231-838-7<br>REACH-no: 01-2119430450-54-XXXX                             | 0.5 – 1       | Not classified  |
| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | EC-No.: 939-350-2<br>REACH-no: 01-2119970550-39-0000   | 0.1 – 0.3     | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1) |
| propan-2-ol; isopropyl alcohol; isopropanol   | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-25-XXXX | 0.1 – 0.3     | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   |
| benzotriazole   | CAS-No.: 95-14-7<br>EC-No.: 202-394-1  | 0.1 – 0.3     | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411  |

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Get medical advice/attention if you feel unwell. |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Get medical advice/attention. 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. Obtain emergency medical attention. 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 | : May cause slight irritation. |
| Symptoms/effects after eye contact  | : Serious damage to eyes.      |

#### 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   | : Sand. Use extinguishing media appropriate for surrounding fire. 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

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

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. 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. Evacuate unnecessary personnel. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
|----------------------|---|

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area.  |

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

|                 |  |
|-----------------|--|
| For containment | : Stop leak without risks if possible. |
|-----------------|--|

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- Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. 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. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature :  $\geq 5^{\circ}\text{C}$

### 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

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) |                                       |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits         |                                       |
| Local name  | Propan-2-ol                           |
| WEL TWA (OEL TWA) [1]                                 | 999 mg/m <sup>3</sup>                 |
| WEL TWA (OEL TWA) [2]                                 | 400 ppm                               |
| WEL STEL (OEL STEL)                                   | 1250 mg/m <sup>3</sup>                |
| WEL STEL (OEL STEL) [ppm]                             | 500 ppm                               |
| Regulatory reference                                  | EH40/2005 (Fourth edition, 2020). HSE |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Gloves. Safety glasses. Avoid all unnecessary exposure.

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



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Wear protective gloves.

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|  |                         |
|--|-------------------------|
| Physical state                             | : Liquid                |
| Appearance                                 | : Yellow liquid.        |
| Colour                                     | : Yellow.               |
| Odour                                      | : characteristic.       |
| Odour threshold                            | : No data available     |
| pH   | : No data available     |
| Relative evaporation rate (butylacetate=1) | : No data available     |
| Melting point                              | : Not applicable        |
| Freezing point                             | : No data available     |
| Boiling point                              | : 100 °C                |
| Flash point                                | : > 65 °C               |
| Auto-ignition temperature                  | : No data available     |
| Decomposition temperature                  | : No data available     |
| Flammability (solid, gas)                  | : Non flammable.        |
| Vapour pressure                            | : No data available     |
| Relative vapour density at 20 °C           | : No data available     |
| Relative density                           | : No data available     |
| Density                                    | : 1.1 g/cm <sup>3</sup> |

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|   |                     |
|---|---------------------|
| Solubility                                      | : soluble in 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

## 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

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon oxides (CO, CO<sub>2</sub>).

## 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 |

| <b>pentasodium triphosphate (7758-29-4)</b>  |  |
|--|--|
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rabbit   | > 4640 mg/kg bodyweight Animal: rabbit   |
| LC50 Inhalation - Rat  | > 0.39 mg/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity)           |
| <b>disodium metasilicate (6834-92-0)</b>   |  |
| LD50 dermal rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat  | > 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)     |
| <b>alcohols, C9-11, ethoxylated (68439-46-3)</b>   |  |
| LD50 oral rat  | < 2000 mg/kg   |
| <b>quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</b> |  |
| LD50 oral rat  | 397.5 mg/kg  |

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| <b>quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</b> |  |
|--|--|
| LD50 dermal rabbit   | 3412 mg/kg   |
| <b>glutamic acid, N,N-diacetic acid, tetrasodium salt (51981-21-6)</b>                       |  |
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)   |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:   |
| LC50 Inhalation - Rat  | > 4.2 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:  |
| <b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>                                 |  |
| LD50 oral rat  | 5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rabbit   | 12800 mg/kg  |
| LC50, male, female, Inhalation, rat  | > 10000 ppm (6 Hours, (OECD 403 method))   |
| <b>benzotriazole (95-14-7)</b>   |  |
| LD50 oral rat  | 500 mg/kg bodyweight   |
| LD50 dermal rabbit   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| Skin corrosion/irritation  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Serious eye damage/irritation  | : Causes serious eye damage.   |
| Respiratory or skin sensitisation  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Germ cell mutagenicity   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Carcinogenicity  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Reproductive toxicity  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| STOT-single exposure   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| <b>disodium metasilicate (6834-92-0)</b>   |  |
| STOT-single exposure   | May cause respiratory irritation.  |
| <b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>                                 |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |
| STOT-repeated exposure   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| <b>disodium metasilicate (6834-92-0)</b>   |  |
| NOAEL (oral, rat, 90 days)   | 227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)  |
| <b>glutamic acid, N,N-diacetic acid, tetrasodium salt (51981-21-6)</b>                       |  |
| NOAEL (oral, rat, 90 days)   | 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: other: |

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| <b><math>\beta</math>-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)</b> |   |
|---|---|
| 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)  |
| Aspiration hazard   | : Not classified  |
| Additional information  | : Based on available data, the classification criteria are not met  |
| Potential adverse human health effects and symptoms   | : Risk of serious damage to eyes  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - water   | : 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. |

| <b>pentasodium triphosphate (7758-29-4)</b> |  |
|---|--|
| EC50 - Crustacea [1]                        | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50, aquatic invertebrates, daphnia        | 276.61 mg/l (96 Hours)                             |

| <b>disodium metasilicate (6834-92-0)</b> |   |
|--|---|
| LC50 - Fish [1]                          | 2320 mg/l Test organisms (species): Western mosquitofish (Gambusia affinis)                         |
| LC50 - Fish [2]                          | 210 mg/l Test organisms (species): Zebra fish (Danio rerio)   |
| EC50 - Crustacea [1]                     | 1700 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                     | 207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae                              | > 345.4 mg/l  |

| <b>alcohols, C9-11, ethoxylated (68439-46-3)</b> |             |
|--|-------------|
| LC50 - Fish [1]                                  | 1 – 10 mg/l |

| <b>quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</b> |  |
|--|--|
| LC50 - Fish [1]  | 1.7 mg/l Test organisms (species): Cyprinodon variegatus   |
| LC50 - Fish [2]  | 1.28 mg/l Test organisms (species): Cyprinodon variegatus  |
| LC50 - Other aquatic organisms [1]   | 0.515 mg/l Test organisms (species): Lepomis macrochirus   |
| EC50 - Crustacea [1]   | 0.016 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]   | 0.26 mg/l Test organisms (species): Skeletonema costatum   |
| NOEC chronic fish  | 0.032 mg/l Test organisms (species): Pimephales promelas   |
| NOEC chronic crustacea   | 0.025 mg/l Test organisms (species): Daphnia magna   |
| NOEC chronic algae   | 0.009 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50, microorganisms   | 7.75 mg/l (3 Hours)  |
| NOEC, microorganisms   | 1.6 mg/l (3 Hours)   |



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| <b>glutamic acid, N,N-diacetic acid, tetrasodium salt (51981-21-6)</b>                                    |   |
|---|---|
| LC50 - Fish [1]   | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| LC50 - Fish [2]   | > 95.26 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| EC50 - Crustacea [1]  | > 100 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]  | > 95.26 mg/l Test organisms (species): Daphnia magna  |
| LOEC (chronic)  | > 265.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)  | 224 mg/l Test organisms (species): other aquatic crustacea: Duration: '21 d'  |
| <b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>  |   |
| LC50 - Fish [1]   | 9640 mg/l Test organisms (species): Fathead minnow (Pimephales promelas)  |
| EC50 72h - Algae [1]  | > 1000 mg/l Test organisms (species): (Desmodesmus subspicatus)   |
| EC50, daphnia, short term   | 9714 mg/l (24 Hours, (OECD 202 method))   |
| EC5, microorganisms, Pseudomonas putida   | 1050 mg/l (16 Hours)  |
| <b><math>\beta</math>-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)</b> |   |
| 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'  |
| <b>benzotriazole (95-14-7)</b>  |   |
| LC50 - Fish [1]   | 55 mg/l Test organisms (species): Cyprinodon variegatus   |
| LC50 - Fish [2]   | 180 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]  | 137 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]  | 29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC chronic crustacea  | 0.97 mg/l   |
| NOEC chronic algae  | 1.18 mg/l   |
| <b>12.2. Persistence and degradability</b>  |   |
| <b>Boat Cleaner (New Chelating Agent) WP 0615</b>   |   |
| Persistence and degradability   | May cause long-term adverse effects in the environment.   |
| <b>pentasodium triphosphate (7758-29-4)</b>   |   |
| Persistence and degradability   | Not established.  |
| <b>disodium metasilicate (6834-92-0)</b>  |   |
| Persistence and degradability   | The product is not biodegradable.   |
| <b>alcohols, C9-11, ethoxylated (68439-46-3)</b>  |   |
| Persistence and degradability   | Readily biodegradable.  |

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation                | 63 % (in 28 days)      |

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|                                 |   |
|---------------------------------|---|
| Persistence and degradability   | Readily biodegradable.                    |
| Biochemical oxygen demand (BOD) | 1.19 – 1.72 g O <sub>2</sub> /g substance |
| Chemical oxygen demand (COD)    | 2.23 g O <sub>2</sub> /g substance        |

## 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### pentasodium triphosphate (7758-29-4)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### disodium metasilicate (6834-92-0)

|                           |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

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

|                           |                           |
|---------------------------|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |
|---------------------------|---------------------------|

### quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Kow) | 2.75 |
| Bioaccumulative potential                       | Low. |

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|   |                     |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.05                |
| Bioaccumulative potential                       | No bioaccumulation. |

## 12.4. Mobility in soil

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|                 |   |
|-----------------|---|
| Surface tension | 22.7 mN/m   |
| Ecology - soil  | Very mobile. Soluble material/quickly disperses in water. |

## 12.5. Results of PBT and vPvB assessment

### Component

|   |   |
|---|---|
| alcohols, C9-11, ethoxylated (68439-46-3)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| disodium metasilicate (6834-92-0)   | This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB)      |
| pentasodium triphosphate (7758-29-4)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)                                 | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Ecology - waste materials : Avoid release to the environment.

## 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 |
| <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

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### Abbreviations and acronyms:

|         |   |
|---------|---|
| CAS-No. | Chemical Abstract Service number  |
| BOD     | Biochemical oxygen demand (BOD)   |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| COD     | Chemical oxygen demand (COD)  |
| EC50    | Median effective concentration  |
| EC-No.  | European Community number   |
| LC50    | Median lethal concentration   |
| LD50    | Median lethal dose  |
| NOAEL   | No-Observed Adverse Effect Level  |
| NOEC    | No-Observed Effect Concentration  |
| PBT     | Persistent Bioaccumulative Toxic  |
| REACH   | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| ThOD    | Theoretical oxygen demand (ThOD)  |
| vPvB    | Very Persistent and Very Bioaccumulative  |

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

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

|                     |                                   |
|---------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
|---------------------|-----------------------------------|

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1                            |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1                          |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2                          |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| H225                                | Highly flammable liquid and vapour.  |
| H290                                | May be corrosive to metals.  |
| H302                                | Harmful if swallowed.  |
| H314                                | Causes severe skin burns and eye damage.   |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.   |
| H335                                | May cause respiratory irritation.  |
| H336                                | May cause drowsiness or dizziness.   |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                                      |
| H411                                | Toxic to aquatic life with long lasting effects.   |
| H412                                | Harmful to aquatic life with long lasting effects.   |
| Met. Corr. 1                        | Corrosive to metals, Category 1  |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

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.