

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : FOAM CLEANER  
Product code : 219  
Type of product : Biocidal products (e.g. Disinfectants, pest control), Detergent  
Product group : Mixture

#### 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, Industrial use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Cleaner

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

Clover Chemicals Ltd  
Clover House Macclesfield Road  
SK23 7DQ Whaley Bridge – Derbyshire  
United Kingdom  
T 01663 733114 - F 01663 733115  
[info@cloverchemicals.com](mailto:info@cloverchemicals.com) - [www.cloverchemicals.com](http://www.cloverchemicals.com)

##### Supplier

Christeyns NV  
Afrikalaan 182  
9000 GENT  
Belgium  
T +32 (0)9/ 223 38 71 - F +32 (0)9/ 233 03 44  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

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

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

Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Aquatic Chronic 3 H412

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

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

CLP Signal word : Danger  
Contains : Monoethanolamine, Isotridecanol, ethoxylated  
Hazard statements (CLP) : H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P264 - Wash hands thoroughly after handling.

# FOAM CLEANER

## Safety Data Sheet

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

P280 - Wear protective gloves, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362 - Take off contaminated clothing.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

| Component  |   |
|--|---|
| Isotridecanol, ethoxylated (69011-36-5)  | PBT: not relevant – no registration required<br>vPvB: not relevant – no registration required   |
| Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1) | 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 |

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 is 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

## 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]  |
|---|--|---------|--|
| Isotridecanol, ethoxylated  | CAS-no: 69011-36-5<br>Einecs nr: 931-138-8<br>REACH-no: Exempted                                     | 5 – 10  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |
| 3-butoxy-2-propanol   | CAS-no: 5131-66-8<br>Einecs nr: 225-878-4<br>EG annex nr: 603-052-00-8<br>REACH-no: 01-2119475527-28 | 3 – 5   | Eye Irrit. 2, H319<br>Skin Irrit. 2, H315  |
| Diethylene glycol monobutyl ether substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit | CAS-no: 112-34-5<br>Einecs nr: 203-961-6<br>EG annex nr: 603-096-00-8<br>REACH-no: 01-2119475104-44  | 1 – 3   | Eye Irrit. 2, H319   |
| Monoethanolamine substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit                      | CAS-no: 141-43-5<br>Einecs nr: 205-483-3<br>EG annex nr: 603-030-00-8<br>REACH-no: 01-2119486455-28  | 1 – 3   | Skin Corr. 1B, H314<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Oral), H302<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |
| Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides   | CAS-no: 68424-85-1<br>Einecs nr: 270-325-2   | 1       | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410                                  |
| Ethoxylated Alcohol   | CAS-no: 160901-19-9<br>Einecs nr: 500-457-0<br>REACH-no: Exempted                                    | 0.1 – 1 | Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412   |

# FOAM CLEANER

## Safety Data Sheet

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

| Specific concentration limits: |   |                               |
|--------------------------------|---|-------------------------------|
| Name                           | Product identifier  | Specific concentration limits |
| Monoethanolamine               | CAS-no: 141-43-5<br>Einecs nr: 205-483-3<br>EG annex nr: 603-030-00-8<br>REACH-no: 01-2119486455-28 | ( 5 ≤C ≤ 100) STOT SE 3, H335 |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                |   |
|----------------|---|
| General advice | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                               |
| Inhalation     | : Allow affected person to breathe fresh air. Allow the victim to rest.   |
| Skin contact   | : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.                              |
| Eye contact    | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| Ingestion      | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

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

|                          |   |
|--------------------------|---|
| Acute effects inhalation | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. |
| Acute effects skin       | : Causes skin irritation. Red skin.   |
| Acute effects eyes       | : Causes serious eye damage. redness, itching, tears.   |
| Acute effects oral route | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Abdominal pain, nausea.  |

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water.

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

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

#### 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.   |

### SECTION 6: Accidental release measures

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

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

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures              | : Wash hands, forearms and face thoroughly after handling.   |

# FOAM CLEANER

## Safety Data Sheet

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

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

Storage conditions : Store in a cool, well-ventilated place. Keep container closed when not in use.  
Packaging materials : polyethylene. stainless steel.

### 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

| <b>Monoethanolamine (141-43-5)</b>                        |   |
|---|---|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | 2-Aminoethanol  |
| IOEL TWA  | 2.5 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]  | 1 ppm   |
| IOEL STEL   | 7.6 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 3 ppm   |
| Remark  | skin  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | 2-Aminoethanol  |
| WEL TWA (OEL TWA) [1]                                     | 2.5 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                     | 1 ppm   |
| WEL STEL (OEL STEL)                                       | 7.6 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                                 | 3 ppm   |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>Diethylene glycol monobutyl ether (112-34-5)</b>       |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | 2-(2-Butoxyethoxy)ethanol   |
| IOEL TWA  | 67.5 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]  | 10 ppm  |
| IOEL STEL   | 101.2 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 15 ppm  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC   |
| <b>Ireland - Occupational Exposure Limits</b>             |   |
| Local name  | 2-(2-Butoxyethoxy)ethanol   |
| OEL TWA [1]   | 67.5 mg/m <sup>3</sup>  |
| OEL TWA [2]   | 10 ppm  |
| OEL STEL  | 101.2 mg/m <sup>3</sup>   |
| OEL STEL [ppm]  | 15 ppm  |
| Remark  | IOELV (Indicative Occupational Exposure Limit Values)   |
| Regulatory reference                                      | Chemical Agents Code of Practice 2021   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | 2-(2-Butoxyethoxy)ethanol   |
| WEL TWA (OEL TWA) [1]                                     | 67.5 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                     | 10 ppm  |

# FOAM CLEANER

## Safety Data Sheet

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

| Diethylene glycol monobutyl ether (112-34-5) |                                       |
|--|---------------------------------------|
| WEL STEL (OEL STEL)                          | 101.2 mg/m <sup>3</sup>               |
| WEL STEL (OEL STEL) [ppm]                    | 15 ppm                                |
| Regulatory reference                         | EH40/2005 (Fourth edition, 2020). HSE |

### 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

No additional information available

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

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

##### Protective equipment:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Not required

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### 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          |
| Colour                      | : Colourless.     |
| Physical state/form         | : Liquid.         |
| Odour                       | : Characteristic. |
| Odour threshold             | : Not available   |
| Melting point/range         | : 0 °C            |
| Freezing point              | : Not available   |
| Boiling point/Boiling range | : 100 °C          |

# FOAM CLEANER

## Safety Data Sheet

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

|   |                     |
|---|---------------------|
| Flammability                                    | : Non flammable.    |
| Explosive limits                                | : Not available     |
| Lower explosion limit                           | : Not available     |
| Upper explosion limit                           | : Not available     |
| Flash point                                     | : Not available     |
| Autoignition temperature                        | : Not available     |
| Decomposition temperature                       | : Not available     |
| pH  | : 11 – 11.4         |
| Viscosity, kinematic                            | : Not available     |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available     |
| Vapour pressure                                 | : Not available     |
| Vapour pressure at 50 °C                        | : Not available     |
| Density   | : Not available     |
| Relative density                                | : 1                 |
| Relative vapour density at 20 °C                | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 30 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 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

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## 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

| <b>Monoethanolamine (141-43-5)</b>                  |   |
|---|---|
| LD50 oral rat                                       | 1515 mg/kg  |
| LD50 dermal rabbit                                  | 2504 mg/kg  |
| <b>3-butoxy-2-propanol (5131-66-8)</b>              |   |
| 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)                  |
| LC50 Inhalation - Rat (Vapours)                     | 35 mg/l/4h  |
| <b>Diethylene glycol monobutyl ether (112-34-5)</b> |   |
| LD50 oral rat                                       | 6600 mg/kg bodyweight   |
| LD50 dermal rabbit                                  | 2764 mg/kg bodyweight   |
| LC50 Inhalation - Rat (Dust/Mist)                   | > 196 mg/l  |

# FOAM CLEANER

## Safety Data Sheet

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

| <b>Isotridecanol, ethoxylated (69011-36-5)</b>  |   |
|---|---|
| LD50 oral rat   | > 300 (≤ 2000) mg/kg  |
| LD50 dermal rabbit  | > 2000 mg/kg  |
| <b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)</b> |   |
| LD50 oral rat   | 795 mg/kg   |
| Skin corrosion/irritation   | : Causes skin irritation.<br>pH: 11 – 11.4  |
| Serious eye damage/irritation   | : Causes serious eye damage.<br>pH: 11 – 11.4   |
| 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>Monoethanolamine (141-43-5)</b>  |   |
| STOT-single exposure  | May cause respiratory irritation.   |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>  |   |
| NOAEL (oral, rat)   | > 250 mg/kg bodyweight  |
| STOT-repeated exposure  | : Not classified  |
| Additional information  | : Based on available data, the classification criteria are not met  |
| <b>3-butoxy-2-propanol (5131-66-8)</b>  |   |
| 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)  |
| Aspiration hazard   | : Not classified  |
| Additional information  | : Based on available data, the classification criteria are not met  |
| <b>11.2. Information on other hazards</b>   |   |
| <b>11.2.1. Endocrine disrupting properties</b>  |   |
| No additional information available   |   |
| <b>11.2.2. Other information</b>  |   |
| Potential adverse human health effects and symptoms   | : Based on available data, the classification criteria are not met  |
| <b>SECTION 12: Ecological information</b>   |   |
| <b>12.1. Toxicity</b>   |   |
| 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.  |
| Not rapidly degradable  |   |
| <b>3-butoxy-2-propanol (5131-66-8)</b>  |   |
| LC50 - Fish [1]   | > 560 mg/l <i>Poecilia reticulata</i> (Guppy)   |
| EC50 - Crustacea [1]  | > 1000 mg/l   |

# FOAM CLEANER

## Safety Data Sheet

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

| <b>Diethylene glycol monobutyl ether (112-34-5)</b>   |  |
|---|--|
| LC50 - Fish [1]   | > 100 mg/l                                   |
| EC50 - Crustacea [1]  | > 1000 mg/l                                  |
| EC50 - Other aquatic organisms [1]  | > 1000 mg/l waterflea                        |
| EC50 - Other aquatic organisms [2]  | > 100 mg/l                                   |
| ErC50 algae   | > 100 mg/l                                   |
| <b>Ethoxylated Alcohol (160901-19-9)</b>  |  |
| LC50 - Fish [1]   | 0.1 – 1 mg/l (Danio rerio - OESO 203 - ECHA) |
| EC50 - Crustacea [1]  | 0.1 – 1 mg/l (Daphnia magna - ECHA)          |
| ErC50 algae   | 0.1 – 1 mg/l                                 |
| NOEC chronic fish   | > 0.1 mg/l                                   |
| NOEC chronic algae  | 0.14 mg/l (CESIO)                            |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>  |  |
| LC50 - Fish [1]   | > 1 mg/l                                     |
| EC50 - Crustacea [1]  | > 1 mg/l                                     |
| ErC50 algae   | 1 – 10 mg/l                                  |
| <b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)</b> |  |
| LC50 - Fish [1]   | 0.85 mg/l                                    |
| EC50 - Crustacea [1]  | 0.016 mg/l                                   |
| EC50 72h - Algae [1]  | 0.02 mg/l                                    |
| NOEC chronic crustacea  | 0.025 mg/l                                   |

### 12.2. Persistence and degradability

| <b>FOAM CLEANER</b>   |   |
|---|---|
| Persistence and degradability   | Biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. |
| <b>3-butoxy-2-propanol (5131-66-8)</b>  |   |
| Biodegradation  | 90 % (28 d)   |
| <b>Diethylene glycol monobutyl ether (112-34-5)</b>   |   |
| Persistence and degradability   | Readily biodegradable.  |
| <b>Ethoxylated Alcohol (160901-19-9)</b>  |   |
| Persistence and degradability   | Readily biodegradable.  |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>  |   |
| Persistence and degradability   | Readily biodegradable, according to appropriate OECD test. Not established.   |
| <b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)</b> |   |
| Persistence and degradability   | Biodegradable.  |
| Biodegradation  | > 90 %  |

### 12.3. Bioaccumulative potential

| <b>FOAM CLEANER</b>                                 |                     |
|---|---------------------|
| Bioaccumulative potential                           | No bioaccumulation. |
| <b>Diethylene glycol monobutyl ether (112-34-5)</b> |                     |
| Log Pow   | 0.56                |
| Bioaccumulative potential                           | No bioaccumulation. |



# FOAM CLEANER

## Safety Data Sheet

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

| <b>Ethoxylated Alcohol (160901-19-9)</b>  |                                      |
|---|--------------------------------------|
| Partition coefficient n-octanol/water (Log Kow)   | < 4 Not applicable                   |
| Bioaccumulative potential   | No bioaccumulation.                  |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>  |                                      |
| Bioaccumulative potential   | No bioaccumulation. Not established. |
| <b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)</b> |                                      |
| Partition coefficient n-octanol/water (Log Kow)   | 2.88                                 |
| Bioaccumulative potential   | No bioaccumulation.                  |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### FOAM CLEANER

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Waste / unused products : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR                                     | IMDG          | IATA          |
|---|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |
| 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

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

Not applicable

# FOAM CLEANER

## Safety Data Sheet

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

### 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.

VOC content : 30 g/l

#### Detergent Regulation (648/2004/EC): Labelling of contents:

| Component             | %     |
|-----------------------|-------|
| non-ionic surfactants | 5-15% |
| disinfectants         |       |

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

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 (Dermal)     | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                                 |
| 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 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.   |
| H312                      | Harmful in contact with skin.                                     |
| 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.   |
| H335                      | May cause respiratory irritation.                                 |
| H400                      | Very toxic to aquatic life.                                       |

# FOAM CLEANER

## Safety Data Sheet

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

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

|               |  |
|---------------|--|
| H410          | Very toxic to aquatic life with long lasting effects.                                      |
| H412          | Harmful to aquatic life with long lasting effects.   |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2  |
| STOT SE 3     | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Irrit. 2     | H315 | Calculation method |
| Eye Dam. 1        | H318 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

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.