



# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

As retained in UK law by (SI 2019/758 as amended)

## CyclOn Chain Cleaner - Plant Based

Version number: 3.0  
Replaces version of: 2023-07-10 (2)

Revision: 2026-07-17

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

#### 1.1 Product identifier

Trade name

**CyclOn Chain Cleaner - Plant Based**

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

Relevant identified uses

Detergent  
Degreaser  
Professional use  
Consumer use

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

CyclOn B.V.  
Scheltseweg 4c  
5374 EB Schaijk  
Netherlands

Telephone: (+31) 085 0204 122  
e-mail: sales@cyclon.nl  
Website: www.cyclon.nl

e-mail (competent person)

sales@cyclon.nl

#### 1.4 Emergency telephone number

Emergency information service

(+31) 085 0204 122  
This number is only available during the following office hours: Mon-Fri 09:00 - 16:30

| Poison centre  |                                             |                                                |
|----------------|---------------------------------------------|------------------------------------------------|
| Country        | Name                                        | Telephone                                      |
| United Kingdom | National Poisons Information Service (NPIS) | 0344-8920111 (medical professionals only)      |
| United Kingdom | NHS (general public)                        | non-emergency: 111 or a doctor; emergency: 999 |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)

This mixture does not meet the criteria for classification.

| Code   | Supplemental hazard information        |
|--------|----------------------------------------|
| EUH210 | safety data sheet available on request |

#### 2.2 Label elements

Labelling (acc. to GB CLP)

- signal word Not required.

- pictograms Not required.

- supplemental hazard information  
EUH210 Safety data sheet available on request.



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### 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

| Name of substance                             | Identifier                                                                  | Wt%    | Classification acc. to GHS                                                                                                                | Pictograms                                                                                                                                                              | Notes |
|-----------------------------------------------|-----------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Ethanol                                       | CAS No<br>64-17-5<br><br>EC No<br>200-578-6<br><br>Index No<br>603-002-00-5 | 5 – 10 | Flam. Liq. 2 / H225<br>Eye Irrit. 2 / H319                                                                                                |   |       |
| D-Glucopyranose, oligomeric, C8-10 glycosides | CAS No<br>68515-73-1<br><br>EC No<br>500-220-1                              | 5 – 9  | Eye Dam. 1 / H318                                                                                                                         |                                                                                    |       |
| N,N-dimethyldec-9-enamide                     | CAS No<br>1356964-77-6<br><br>EC No<br>806-919-0                            | 2 – 4  | Acute Tox. 4 / H302<br>Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>STOT SE 3 / H335<br>Aquatic Chronic 3 / H412 |                                                                                    |       |

| Name of substance                             | Identifier                                       | Specific Conc. Limits                                                      | M-Factors | ATE                                       | Exposure route                                      |
|-----------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|-----------|-------------------------------------------|-----------------------------------------------------|
| Ethanol                                       | CAS No<br>64-17-5<br><br>EC No<br>200-578-6      | Eye Irrit. 2; H319: C $\geq 50\%$                                          | -         | -                                         |                                                     |
| D-Glucopyranose, oligomeric, C8-10 glycosides | CAS No<br>68515-73-1<br><br>EC No<br>500-220-1   | Eye Dam. 1; H318: C $\geq 12\%$<br>Eye Irrit. 2; H319: $9\% \leq C < 12\%$ | -         | -                                         |                                                     |
| N,N-dimethyldec-9-enamide                     | CAS No<br>1356964-77-6<br><br>EC No<br>806-919-0 | -                                                                          | -         | 550 mg/kg<br>11 mg/l/4h<br>>3.551 mg/l/4h | oral<br>inhalation: vapour<br>inhalation: dust/mist |

### Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.



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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

##### Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

##### Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

##### Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Call a doctor if you feel unwell.

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

Symptoms and effects are not known to date.

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

None.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Water spray; Foam; Dry extinguishing powder; Carbon dioxide (CO<sub>2</sub>);  
Co-ordinate firefighting measures to the fire surroundings.

##### Unsuitable extinguishing media

Water jet.

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

##### Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

##### Special protective equipment for firefighters

Self-contained breathing apparatus (SCBA). Standard protective clothing for firefighters.

### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Remove persons to safety. Ventilate affected area.

##### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.



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### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Managing of associated risks

- flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight. Frost.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Keep only in original container.

### 7.3 Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

National limit values



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### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No  | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Notation | Source    |
|---------|---------------|---------|------------|-----------|--------------------------|------------|---------------------------|----------|-----------|
| GB      | ethanol       | 64-17-5 | WEL        | 1,000     | 1,920                    |            |                           |          | EH40/2005 |

### Notation

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### Relevant DNELs/DMELs/PNECs and other threshold levels

#### Relevant DNELs of components of the mixture

| Name of substance         | CAS No       | End-point | Threshold level       | Protection goal, route of exposure | Used in                       | Exposure time              |
|---------------------------|--------------|-----------|-----------------------|------------------------------------|-------------------------------|----------------------------|
| Ethanol                   | 64-17-5      | DNEL      | 380 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| Ethanol                   | 64-17-5      | DNEL      | 114 mg/m <sup>3</sup> | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| Ethanol                   | 64-17-5      | DNEL      | 400 mg/kg bw/day      | human, dermal                      | worker (industry)             | chronic - systemic effects |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | DNEL      | 40 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | DNEL      | 5.71 mg/kg bw/day     | human, dermal                      | worker (industry)             | chronic - systemic effects |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | DNEL      | 10 mg/m <sup>3</sup>  | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | DNEL      | 2.857 mg/kg bw/day    | human, dermal                      | consumer (private households) | chronic - systemic effects |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | DNEL      | 2.857 mg/kg bw/day    | human, oral                        | consumer (private households) | chronic - systemic effects |

#### Relevant PNECs of components

| Name of substance | CAS No  | End-point | Threshold level | Organism           | Environmental compartment    | Exposure time                |
|-------------------|---------|-----------|-----------------|--------------------|------------------------------|------------------------------|
| Ethanol           | 64-17-5 | PNEC      | 0.96 mg/l       | aquatic organisms  | freshwater                   | short-term (single instance) |
| Ethanol           | 64-17-5 | PNEC      | 0.79 mg/l       | aquatic organisms  | marine water                 | short-term (single instance) |
| Ethanol           | 64-17-5 | PNEC      | 580 mg/l        | aquatic organisms  | sewage treatment plant (STP) | short-term (single instance) |
| Ethanol           | 64-17-5 | PNEC      | 3.6 mg/kg       | aquatic organisms  | freshwater sediment          | short-term (single instance) |
| Ethanol           | 64-17-5 | PNEC      | 2.9 mg/kg       | aquatic organisms  | marine sediment              | short-term (single instance) |
| Ethanol           | 64-17-5 | PNEC      | 0.63 mg/kg      | terrestrial organ- | soil                         | short-term (single instance) |



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| Relevant PNECs of components |              |           |                 |                       |                              |                              |
|------------------------------|--------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance            | CAS No       | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|                              |              |           |                 | isms                  |                              | instance)                    |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 0.028 mg/l      | aquatic organisms     | freshwater                   | short-term (single instance) |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 0.003 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 2.12 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 1.541 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 0.154 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | PNEC      | 5.3 mg/kg       | terrestrial organisms | soil                         | short-term (single instance) |

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection



Use safety goggle with side protection

##### Skin protection



Chemical protective clothing.

##### Hand protection



Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### - breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >10 minutes (permeation: level 1).

##### - other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.



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### SECTION 9: Physical and chemical properties

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

|                                                          |                                                                                                                                                                            |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state                                           | liquid                                                                                                                                                                     |
| Colour                                                   | light red - pink                                                                                                                                                           |
| Odour                                                    | characteristic                                                                                                                                                             |
| Melting point/freezing point                             | not determined                                                                                                                                                             |
| Boiling point or initial boiling point and boiling range | 64.7 °C at 1,013 hPa<br>calculated value, referring to a component of the mixture                                                                                          |
| Evaporation rate                                         | not determined                                                                                                                                                             |
| Flammability                                             | this material is combustible, but will not ignite readily                                                                                                                  |
| Lower and upper explosion limit                          | LEL: 2.5 vol% / UEL: 13.5 vol%<br>calculated value, referring to a component of the mixture                                                                                |
| Flash point                                              | 35 – 60 °C (estimate)<br>needs not be classified as flammable: flash point of more than 35 °C and negative results have been obtained in the sustained combustibility test |
| Auto-ignition temperature                                | 240 °C (auto-ignition temperature (liquids and gases))<br>calculated value, referring to a component of the mixture                                                        |
| Decomposition temperature                                | no data available                                                                                                                                                          |
| pH (value)                                               | 10 – 11                                                                                                                                                                    |
| Kinematic viscosity                                      | not determined                                                                                                                                                             |
| Solubility                                               | not determined                                                                                                                                                             |

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Vapour pressure | 169.3 hPa at 25 °C<br>calculated value, referring to a component of the mixture |
|-----------------|---------------------------------------------------------------------------------|

#### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | 1.02 – 1.04 g/cm <sup>3</sup> at 20 °C        |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

#### 9.2 Other information



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|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
| Other safety characteristics                       | there is no additional information                          |

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

#### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidisers.

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to GHS

This mixture does not meet the criteria for classification.

##### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |              |                       |                |
|---------------------------------------------|--------------|-----------------------|----------------|
| Name of substance                           | CAS No       | Exposure route        | ATE            |
| N,N-dimethyldec-9-enamide                   | 1356964-77-6 | oral                  | 550 mg/kg      |
| N,N-dimethyldec-9-enamide                   | 1356964-77-6 | inhalation: vapour    | 11 mg/l/4h     |
| N,N-dimethyldec-9-enamide                   | 1356964-77-6 | inhalation: dust/mist | >3.551 mg/l/4h |

| Acute toxicity of components |              |                       |          |                              |         |
|------------------------------|--------------|-----------------------|----------|------------------------------|---------|
| Name of substance            | CAS No       | Exposure route        | Endpoint | Value                        | Species |
| Ethanol                      | 64-17-5      | oral                  | LD50     | 10,470 mg/kg                 | rat     |
| Ethanol                      | 64-17-5      | inhalation: vapour    | LC50     | 124.7 mg/l/4h                | rat     |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | oral                  | LD50     | 550 mg/kg                    | rat     |
| N,N-dimethyldec-9-enamide    | 1356964-77-6 | inhalation: dust/mist | LC50     | >3,551 mg/m <sup>3</sup> /4h | rat     |



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### Acute toxicity of components

| Name of substance         | CAS No       | Exposure route | Endpoint | Value        | Species |
|---------------------------|--------------|----------------|----------|--------------|---------|
| N,N-dimethyldec-9-enamide | 1356964-77-6 | dermal         | LD50     | >5,000 mg/kg | rat     |

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 11.2 Information on other hazards

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture |              |          |             |                                      |               |
|-------------------------------------------------------|--------------|----------|-------------|--------------------------------------|---------------|
| Name of substance                                     | CAS No       | Endpoint | Value       | Species                              | Exposure time |
| Ethanol                                               | 64-17-5      | ErC50    | 22,000 mg/l | algae                                | 96 h          |
| Ethanol                                               | 64-17-5      | LC50     | 15.3 g/l    | fathead minnow (Pimephales promelas) | 96 h          |
| Ethanol                                               | 64-17-5      | EC50     | 12.9 g/l    | fathead minnow (Pimephales promelas) | 96 h          |
| N,N-dimethyldec-9-enamide                             | 1356964-77-6 | LC50     | >7.5 mg/l   | fish                                 | 96 h          |
| N,N-dimethyldec-9-enamide                             | 1356964-77-6 | EC50     | 2.8 mg/l    | aquatic invertebrates                | 48 h          |
| N,N-dimethyldec-9-enamide                             | 1356964-77-6 | ErC50    | 16.06 mg/l  | algae                                | 72 h          |
| N,N-dimethyldec-9-enamide                             | 1356964-     | NOEC     | 7.5         | fish                                 | 96 h          |



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### Aquatic toxicity (acute) of components of the mixture

| Name of substance         | CAS No       | Endpoint                | Value     | Species | Exposure time |
|---------------------------|--------------|-------------------------|-----------|---------|---------------|
|                           | 77-6         |                         | mg/l      |         |               |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | LOEC                    | 1.8 mg/l  | algae   | 72 h          |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | growth rate (Er-Cx) 10% | 4.17 mg/l | algae   | 72 h          |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | growth (EbCx) 10%       | 23 mg/l   | algae   | 96 h          |

### Aquatic toxicity (chronic) of components of the mixture

| Name of substance         | CAS No       | Endpoint          | Value      | Species               | Exposure time |
|---------------------------|--------------|-------------------|------------|-----------------------|---------------|
| Ethanol                   | 64-17-5      | LC50              | 1,806 mg/l | aquatic invertebrates | 10 d          |
| Ethanol                   | 64-17-5      | ErC50             | 675 mg/l   | algae                 | 4 d           |
| Ethanol                   | 64-17-5      | EC50              | 675 mg/l   | green algae           | 4 d           |
| Ethanol                   | 64-17-5      | NOEC              | 280 mg/l   | unknown               | 7 d           |
| Ethanol                   | 64-17-5      | growth (EbCx) 10% | 86 mg/l    | green algae           | 4 d           |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | EC50              | 212.3 mg/l | microorganisms        | 3 h           |
| N,N-dimethyldec-9-enamide | 1356964-77-6 | NOEC              | ≥0.71 mg/l | fish                  | 35 d          |

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.



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### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

|      |                                                         |                                                                       |
|------|---------------------------------------------------------|-----------------------------------------------------------------------|
| 14.1 | UN number                                               | not subject to transport regulations                                  |
| 14.2 | UN proper shipping name                                 | not relevant                                                          |
| 14.3 | Transport hazard class(es)                              | none                                                                  |
| 14.4 | Packing group                                           | not assigned                                                          |
| 14.5 | Environmental hazards                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user                            | There is no additional information.                                   |
| 14.7 | Maritime transport in bulk according to IMO instruments | No data available.                                                    |

### Additional information for each of the UN Model Regulations

#### International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

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

##### Relevant provisions of the European Union (EU)

##### Seveso Directive

| 2012/18/EU (Seveso III) |                                       |                                                                                       |       |
|-------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-------|
| No                      | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
|                         | not assigned                          |                                                                                       |       |

#### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

#### Water Framework Directive (WFD)

| List of pollutants (WFD) |                                                                                                                                                                                                                     |        |           |         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|---------|
| Name of substance        | Name acc. to inventory                                                                                                                                                                                              | CAS No | Listed in | Remarks |
| Ethanol                  | Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other |        | a)        |         |



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| List of pollutants (WFD) |                                                               |        |           |         |
|--------------------------|---------------------------------------------------------------|--------|-----------|---------|
| Name of substance        | Name acc. to inventory                                        | CAS No | Listed in | Remarks |
|                          | endocrine-related functions in or via the aquatic environment |        |           |         |

### Legend

a) Indicative list of the main pollutants

### Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

### Regulation 648/2004/EC on detergents

| Labelling of contents |                       |
|-----------------------|-----------------------|
| Wt%                   | Constituents          |
| ≥5% - <15%            | non-ionic surfactants |

### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

### National regulations (GB)

### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed.

### Restrictions according to GB REACH, Annex 17

| Dangerous substances with restrictions (GB REACH, Annex 17) |                                                                                                  |                           |    |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|----|
| Name                                                        | Name acc. to inventory                                                                           | Conditions of restriction | No |
| CyclOn Chain Cleaner - Plant Based                          | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | R3                        | 3  |
| Ethanol                                                     | flammable / pyrophoric                                                                           | R40                       | 40 |

### Legend

R3

- Shall not be used in:
  - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
  - tricks and jokes,
  - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
- Articles not complying with paragraph 1 shall not be placed on the market.
- Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
  - can be used as fuel in decorative oil lamps for supply to the general public, and,
  - present an aspiration hazard and are labelled with R65 or H304,
- Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the British Standard Specification on Decorative oil lamps (BS EN 14059) adopted by the British Standards Institute.
- Without prejudice to the implementation of other legislation relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
  - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010 'Just a sip of lamp oil'
    - or even sucking the wick of lamps
    - may lead to life-threatening lung damage';
  - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life-threatening lung damage';
  - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque



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### Legend

- containers not exceeding 1 litre by 1 December 2010.
7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the Agency.
- R40
1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
    - metallic glitter intended mainly for decoration,
    - artificial snow and frost,
    - 'whoopie' cushions,
    - silly string aerosols,
    - imitation excrement,
    - horns for parties,
    - decorative flakes and foams,
    - artificial cobwebs,
    - stink bombs.
  2. Without prejudice to the application of other legislation on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:  
'For professional users only'.
  3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (\*\*\*).
  4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.
- (\*\*\*) OJ L 147, 9.6.1975, p. 40.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Complete revision of the safety data sheet.

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations                                                                                                                                                    |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox.      | Acute toxicity                                                                                                                                                                        |
| ADR             | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                         |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard                                                                                                                                 |
| ATE             | Acute Toxicity Estimate                                                                                                                                                               |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                                |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                            |
| DMEL            | Derived Minimal Effect Level                                                                                                                                                          |
| DNEL            | Derived No-Effect Level                                                                                                                                                               |
| EC50            | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval      |
| EC No           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)     |
| ED              | Endocrine disruptor                                                                                                                                                                   |
| EH40/2005       | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> ) |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                                                                                                         |
| ELINCS          | European List of Notified Chemical Substances                                                                                                                                         |
| ErC50           | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control                |



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| Abbr.       | Descriptions of used abbreviations                                                                                                                                      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Dam.    | Seriously damaging to the eye                                                                                                                                           |
| Eye Irrit.  | Irritant to the eye                                                                                                                                                     |
| Flam. Liq.  | Flammable liquid                                                                                                                                                        |
| GB CLP      | The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)              |
| GB REACH    | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)                                                                                    |
| GHS         | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                               |
| IATA        | International Air Transport Association                                                                                                                                 |
| IATA/DGR    | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                                                                          |
| ICAO        | International Civil Aviation Organization                                                                                                                               |
| IMDG        | International Maritime Dangerous Goods Code                                                                                                                             |
| index No    | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008                                                |
| LC50        | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval                       |
| LD50        | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval                                        |
| LEL         | Lower explosion limit (LEL)                                                                                                                                             |
| LOEC        | Lowest Observed Effect Concentration                                                                                                                                    |
| NLP         | No-Longer Polymer                                                                                                                                                       |
| NOEC        | No Observed Effect Concentration                                                                                                                                        |
| PBT         | Persistent, Bioaccumulative and Toxic                                                                                                                                   |
| PNEC        | Predicted No-Effect Concentration                                                                                                                                       |
| ppm         | Parts per million                                                                                                                                                       |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals                                                                                                    |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr.  | Corrosive to skin                                                                                                                                                       |
| Skin Irrit. | Irritant to skin                                                                                                                                                        |
| STEL        | Short-term exposure limit                                                                                                                                               |
| STOT SE     | Specific target organ toxicity - single exposure                                                                                                                        |
| TWA         | Time-weighted average                                                                                                                                                   |
| UEL         | Upper explosion limit (UEL)                                                                                                                                             |
| vPvB        | Very Persistent and very Bioaccumulative                                                                                                                                |
| WEL         | Workplace exposure limit                                                                                                                                                |

### Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended). GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).



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#### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                               |
|------|----------------------------------------------------|
| H225 | Highly flammable liquid and vapour.                |
| H302 | Harmful if swallowed.                              |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H332 | Harmful if inhaled.                                |
| H335 | May cause respiratory irritation.                  |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.