



# ECO Leak Finder

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 07/08/2023 Revision date: 09/06/2023 Supersedes version of: 27/02/2023 Version: 1.2

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

#### 1.1. Product identifier

Product name : ECO Leak Finder  
UFI : UDKX-685R-N002-4H2R  
Product code : BDS002537AE  
Vaporizer : Aerosol

#### 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 : Gas leak detector

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

CRC Industries Europe B.V.  
Touwslagerstraat 1  
9240 Zele  
Belgium  
T +32(0)52/45.60.11 - F +32(0)52/45.00.34  
[hse@crcind.com](mailto:hse@crcind.com) - [www.crcind.com](http://www.crcind.com)

#### 1.4. Emergency telephone number

Emergency number : +32(0)52/45.60.11  
Office hours: 9-17h CET

Lieferant / Supplier:  
Carl Roth GmbH + Co KG  
Schoemperlenstr. 3-5  
76185 Karlsruhe, Germany  
+49 721 5606 0  
[sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

### SECTION 2: Hazards identification

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

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

Aerosol, Category 3 H229  
Serious eye damage/eye irritation, Category 2 H319  
Full text of H- and EUH-statements: see section 16

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

Pressurised container: May burst if heated. Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H229 - Pressurised container: May burst if heated.  
H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P251 - Do not pierce or burn, even after use.

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P280 - Wear protective gloves/protective clothing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5).  
May produce an allergic reaction.

### 2.3. Other hazards

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

Other information : 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 at a concentration equal to or greater than 0,1 %.

## 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]   |
|---|---|--------|---|
| Dinitrogen oxide<br>(Propellant gas (Aerosol))<br>substance with national workplace exposure limit(s)<br>(IE) | CAS-No.: 10024-97-2<br>EC-No.: 233-032-0<br>REACH-no: 01-2119970538-25  | < 2.5  | Ox. Gas 1, H270<br>Press. Gas (Liq.), H280<br>STOT SE 3, H336   |
| Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-  | CAS-No.: 110-25-8<br>EC-No.: 203-749-3                                  | < 2.5  | Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400   |
| Amines, C12-14-alkyldimethyl, N-oxides  | CAS-No.: 308062-28-4<br>EC-No.: 931-292-6<br>REACH-no: 01-2119490061-47 | < 0.25 | Acute Tox. 4 (Oral), H302 (ATE=1064 mg/kg bodyweight)<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411  |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one  | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6   | < 0.05 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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### Specific concentration limits:

| Name   | Product identifier  | Specific concentration limits       |
|--|---|-------------------------------------|
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6 | ( 0.05 ≤C ≤ 100) Skin Sens. 1, H317 |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention.  |
| First-aid measures after skin contact | : Wash skin with plenty of water. Seek medical attention if irritation develops.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.  |

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

Symptoms/effects after eye contact : Eye irritation.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|  |   |
|--|---|
| Explosion hazard                                 | : Pressurised container: May burst if heated.           |
| Hazardous decomposition products in case of fire | : During fire, gases hazardous to health may be formed. |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                             |

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Wear appropriate protective equipment and clothing during clean-up.                                   |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. |

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### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

- Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool. Keep container closed when not in use.

### 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

| Dinitrogen oxide (10024-97-2)          |                                       |
|--|---------------------------------------|
| Ireland - Occupational Exposure Limits |                                       |
| Local name                             | Nitrous oxide                         |
| OEL TWA [1]                            | 90 mg/m <sup>3</sup>                  |
| OEL TWA [2]                            | 50 ppm                                |
| Regulatory reference                   | Chemical Agents Code of Practice 2021 |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

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### 8.1.4. DNEL and PNEC

| <b>Dinitrogen oxide (10024-97-2)</b>  |                            |
|---|----------------------------|
| <b>DNEL/DMEL (Workers)</b>  |                            |
| Acute - systemic effects, inhalation  | 360 mg/m <sup>3</sup>      |
| Long-term - systemic effects, inhalation                                    | 180 mg/m <sup>3</sup>      |
| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |                            |
| <b>DNEL/DMEL (Workers)</b>  |                            |
| Long-term - systemic effects, dermal  | 0.966 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                    | 6.81 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>                                       |                            |
| Long-term - systemic effects, inhalation                                    | 1.2 mg/m <sup>3</sup>      |
| Long-term - systemic effects, dermal  | 0.345 mg/kg bodyweight/day |
| <b>PNEC (Water)</b>   |                            |
| PNEC aqua (freshwater)  | 4.03 µg/l                  |
| PNEC aqua (marine water)  | 0.403 µg/l                 |
| PNEC aqua (intermittent, freshwater)  | 1.1 µg/l                   |
| PNEC aqua (intermittent, marine water)                                      | 110 ng/l                   |
| <b>PNEC (Sediment)</b>  |                            |
| PNEC sediment (freshwater)  | 49.9 µg/kg dw              |
| PNEC sediment (marine water)  | 4.99 µg/kg dw              |
| <b>PNEC (Soil)</b>  |                            |
| PNEC soil   | 3 mg/kg dwt                |
| <b>PNEC (STP)</b>   |                            |
| PNEC sewage treatment plant   | 1.03 mg/l                  |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### 8.2.2. Personal protection equipment

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Use eye protection according to EN 166. Safety glasses with side shields.

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### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. Filter type: A

### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| Physical state                                  | : Liquid                                      |
| Colour  | : Colourless.                                 |
| Appearance                                      | : N2O propelled liquid.                       |
| Odour   | : Neutral.                                    |
| Odour threshold                                 | : Not available                               |
| Melting point                                   | : Not applicable                              |
| Freezing point                                  | : Not available                               |
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Not applicable                              |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Explosive limits                                | : Not available                               |
| Lower explosion limit                           | : Not applicable                              |
| Upper explosion limit                           | : Not applicable                              |
| Flash point                                     | : Not applicable                              |
| Auto-ignition temperature                       | : > 200 °C                                    |
| Decomposition temperature                       | : Not available                               |
| pH  | : 7.76  |
| Viscosity, kinematic                            | : Not available                               |
| Solubility                                      | : soluble in water.                           |
| Partition coefficient n-octanol/water (Log Kow) | : Not applicable                              |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density   | : 0.999 g/cm <sup>3</sup> at 20 °C            |
| Relative density                                | : 0.999 at 20 °C                              |
| 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

% of flammable ingredients : 0 – 1 %

#### 9.2.2. Other safety characteristics

VOC content : 0.5 g/l

Additional information : For aerosols data for the product without propellant.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Pressurised container: May burst if heated.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 11: Toxicological information

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

**Acute toxicity (oral)** : Not classified (Based on available data, the classification criteria are not met)  
**Acute toxicity (dermal)** : Not classified (Based on available data, the classification criteria are not met)  
**Acute toxicity (inhalation)** : Not classified (Based on available data, the classification criteria are not met)

#### Dinitrogen oxide (10024-97-2)

|                       |             |
|-----------------------|-------------|
| LC50 Inhalation - Rat | > 5 mg/l/4h |
|-----------------------|-------------|

#### Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)- (110-25-8)

|           |                         |
|-----------|-------------------------|
| LD50 oral | > 2000 mg/kg bodyweight |
|-----------|-------------------------|

#### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|                                   |                         |
|-----------------------------------|-------------------------|
| LD50 oral rat                     | > 5000 mg/kg            |
| LD50 dermal rat                   | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat (Dust/Mist) | 100 mg/l/4h             |

#### Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

|                 |                         |
|-----------------|-------------------------|
| LD50 oral rat   | 1064 mg/kg              |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

**Skin corrosion/irritation** : Not classified (Based on available data, the classification criteria are not met)  
pH: 7.76

#### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|    |           |
|----|-----------|
| pH | 5.5 – 8.5 |
|----|-----------|

**Serious eye damage/irritation** : Causes serious eye irritation.  
pH: 7.76

#### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|    |           |
|----|-----------|
| pH | 5.5 – 8.5 |
|----|-----------|

**Respiratory or skin sensitisation** : Not classified (Based on available data, the classification criteria are not met)

**Germ cell mutagenicity** : Not classified (Based on available data, the classification criteria are not met)

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**Carcinogenicity** : Not classified (Based on available data, the classification criteria are not met)  
**Reproductive toxicity** : Not classified (Based on available data, the classification criteria are not met)

### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|                             |                       |
|-----------------------------|-----------------------|
| NOAEL (animal/female, F0/P) | 112 mg/kg bodyweight  |
| NOAEL (animal/female, F1)   | 56.6 mg/kg bodyweight |

### Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

|                           |                           |
|---------------------------|---------------------------|
| NOAEL (animal/male, F0/P) | 37 – 128 mg/kg bodyweight |
|---------------------------|---------------------------|

**STOT-single exposure** : Not classified. (Based on available data, the classification criteria are not met)

### Dinitrogen oxide (10024-97-2)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

**STOT-repeated exposure** : Not classified (Based on available data, the classification criteria are not met)

**Aspiration hazard** : Not classified (Based on available data, the classification criteria are not met)

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|           |         |
|-----------|---------|
| Vaporizer | Aerosol |
|-----------|---------|

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 at a concentration equal to or greater than 0,1 %

### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Not rapidly degradable

### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|                        |                                      |
|------------------------|--------------------------------------|
| LC50 - Fish [1]        | 2.2 mg/l                             |
| EC50 - Crustacea [1]   | 3.27 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1]   | 0.11 mg/l                            |
| NOEC chronic fish      | 0.21 mg/l 28 d                       |
| NOEC chronic crustacea | 1.2 mg/l 21 d                        |

### Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

|                        |                                     |
|------------------------|-------------------------------------|
| LC50 - Fish [1]        | 2.67 mg/l                           |
| EC50 - Crustacea [2]   | 3.1 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1]   | 0.143 mg/l                          |
| NOEC chronic crustacea | 0.7 mg/l 21 d                       |



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### Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

|                    |                 |
|--------------------|-----------------|
| NOEC chronic algae | 0.067 mg/l 28 d |
|--------------------|-----------------|

### 12.2. Persistence and degradability

#### ECO Leak Finder

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Not established. No data is available on the degradability of this product. |
|-------------------------------|---|

### 12.3. Bioaccumulative potential

#### ECO Leak Finder

|   |                |
|---|----------------|
| Partition coefficient n-octanol/water (Log Kow) | Not applicable |
|---|----------------|

#### Dinitrogen oxide (10024-97-2)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.35 |
|---|------|

#### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

|   |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 0.7 |
|---|-----|

### Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Kow) | < 2.7 |
|---|-------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### ECO Leak Finder

|                           |   |
|---------------------------|---|
| Results of PBT assessment | Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII |
|---------------------------|---|

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : 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 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

Additional information : No other effects known  
Global warming potential (GWP) : 3 (Fluorinated greenhouse gases - (EC) No 517/2014)

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
European List of Waste (LoW) code : According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.






## SECTION 14: Transport information

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

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| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1950   | UN 1950   | UN 1950   | UN 1950   | UN 1950   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, non-flammable   | AEROSOLS  | AEROSOLS  |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1950 AEROSOLS, 2.2, (E)  | UN 1950 AEROSOLS, 2.2   | UN 1950 Aerosols, non-flammable, 2.2  | UN 1950 AEROSOLS, 2.2   | UN 1950 AEROSOLS, 2.2   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 5A  
Special provisions (ADR) : 190, 327, 344, 625  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E0  
Packing instructions (ADR) : P207, LP200  
Special packing provisions (ADR) : PP87, RR6, L2  
Mixed packing provisions (ADR) : MP9  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V14  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Tunnel restriction code (ADR) : E

#### Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

#### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203

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|  |                         |
|--|-------------------------|
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 203                   |
| PCA max net quantity (IATA)                  | : 75kg                  |
| CAO packing instructions (IATA)              | : 203                   |
| CAO max net quantity (IATA)                  | : 150kg                 |
| Special provisions (IATA)                    | : A98, A145, A167, A802 |
| ERG code (IATA)                              | : 2L                    |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5A                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP                 |
| Ventilation (ADN)                 | : VE04               |
| Number of blue cones/lights (ADN) | : 0                  |

### Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5A                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP200        |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 3                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 20                 |

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

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

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

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

##### REACH Candidate List (SVHC)

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

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

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

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

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

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

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

##### VOC Directive (2004/42)

VOC content : 0.5 g/l

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### Explosives Precursors Regulation (2019/1148)

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

### Drug Precursors Regulation (273/2004)

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

#### 15.1.2. 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:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |
| EN     | European Standard   |
| IARC   | International Agency for Research on Cancer   |
| IATA   | International Air Transport Association   |
| IMDG   | International Maritime Dangerous Goods  |
| LC50   | Median lethal concentration   |
| LD50   | Median lethal dose  |
| LOAEL  | Lowest Observed Adverse Effect Level  |
| NOAEC  | No-Observed Adverse Effect Concentration  |
| NOAEL  | No-Observed Adverse Effect Level  |
| NOEC   | No-Observed Effect Concentration  |
| OECD   | Organisation for Economic Co-operation and Development  |
| OEL    | Occupational Exposure Limit   |
| PBT    | Persistent Bioaccumulative Toxic  |
| PNEC   | Predicted No-Effect Concentration   |
| RID    | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS    | Safety Data Sheet   |
| STP    | Sewage treatment plant  |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| ThOD                        | Theoretical oxygen demand (ThOD)         |
| TLM                         | Median Tolerance Limit                   |
| VOC                         | Volatile Organic Compounds               |
| CAS-No.                     | Chemical Abstract Service number         |
| N.O.S.                      | Not Otherwise Specified                  |
| vPvB                        | Very Persistent and Very Bioaccumulative |
| ED                          | Endocrine disrupting properties          |

| Full text of H- and EUH-statements:    |  |
|--|--|
| Acute Tox. 2<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2   |
| Acute Tox. 4 (Inhalation)              | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4  |
| Aerosol 3                              | Aerosol, Category 3  |
| 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  |
| EUH208                                 | Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5). May produce an allergic reaction. |
| Eye Dam. 1                             | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                           | Serious eye damage/eye irritation, Category 2  |
| H229                                   | Pressurised container: May burst if heated.  |
| H270                                   | May cause or intensify fire; oxidiser.   |
| H280                                   | Contains gas under pressure; may explode if heated.  |
| H302                                   | Harmful if swallowed.  |
| H315                                   | Causes skin irritation.  |
| H317                                   | May cause an allergic skin reaction.   |
| H318                                   | Causes serious eye damage.   |
| H319                                   | Causes serious eye irritation.   |
| H330                                   | Fatal if inhaled.  |
| H332                                   | Harmful if inhaled.  |
| 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.   |
| Ox. Gas 1                              | Oxidising Gases, Category 1  |
| Press. Gas (Liq.)                      | Gases under pressure : Liquefied gas   |
| Skin Irrit. 2                          | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                           | Skin sensitisation, Category 1   |
| STOT SE 3                              | Specific target organ toxicity – Single exposure, Category 3, Narcosis   |

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