

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Safety data sheet according to Regulation (EC) 2020/878

Revision date 06/11/2023

### Revision Number 2.31

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

| 1.1. Product identifier                                                                                                                                                                                                 |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Product Name                                                                                                                                                                                                            | Air Duster Plus                                                                                                              |
| Product Code(s)                                                                                                                                                                                                         | EADP, EEADP400, ZE                                                                                                           |
| Safety data sheet number                                                                                                                                                                                                | 01607                                                                                                                        |
| Unique Formula Identifier (UFI)                                                                                                                                                                                         | VYE4-P0VF-2005-263M                                                                                                          |
| Pure substance/mixture                                                                                                                                                                                                  | Mixture                                                                                                                      |
| 1.2. Relevant identified uses of the                                                                                                                                                                                    | substance or mixture and uses advised against                                                                                |
| Recommended use                                                                                                                                                                                                         | Cleaning agent                                                                                                               |
| Uses advised against                                                                                                                                                                                                    | No specific uses advised against are identified                                                                              |
| 1.3. Details of the supplier of the sa                                                                                                                                                                                  | afety data sheet                                                                                                             |
| <u>Manufacturer</u>                                                                                                                                                                                                     | Supplier                                                                                                                     |
| ELECTROLUBE<br>MacDermid Alpha Electronics Solutio<br>ASHBY PARK, COALFIELD WAY,<br>ASHBY DE LA ZOUCH,<br>LEICESTERSHIRE LE65 1JR<br>UNITED KINGDOM<br>+44 (0)1530 419600<br>+44 (0)1530 416640<br>info@electrolube.com | HK WENTWORTH LIMITED<br>ns 32 RUE DE TOURNENFILS<br>91540 MENNECY<br>FRANCE<br>+33 (0) 1 82 88 47 94<br>info@electrolube.com |
| For further information, please contact                                                                                                                                                                                 | <u>xt</u>                                                                                                                    |
| E-mail address                                                                                                                                                                                                          | info@electrolube.com                                                                                                         |
| 1.4. Emergency telephone number<br>Emergency Telephone                                                                                                                                                                  | POISON INFORMATION CENTRE (Beaumont Hospital, Republic of Ireland only) +353 (0)1<br>809 2166 (08:00 - 22:00)                |
| Emergency Telephone - IN CASE                                                                                                                                                                                           | OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24)                                                           |
|                                                                                                                                                                                                                         |                                                                                                                              |
| SECTION 2: Hazards ident                                                                                                                                                                                                | tification                                                                                                                   |

### 2.1. Classification of the substance or mixture

Classification according to

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

### Aerosols

2.2. Label elements

HFO-1234ze (CAS number 29118-24-9)

### Signal word

Warning

### Hazard statements

H229 - Pressurised container: May burst if heated

### Precautionary Statements - EU (§28, 1272/2008)

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.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

### **SECTION 3: Composition/information on ingredients**

### 3.1 Substances

Not applicable

#### 3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

| Chemical name         | Weight-% | REACH registration | EC No (EU | Classification according | Specific      | M-Factor | M-Factor    |
|-----------------------|----------|--------------------|-----------|--------------------------|---------------|----------|-------------|
|                       |          | number             | Index No) | to Regulation (EC) No.   | concentration |          | (long-term) |
|                       |          |                    |           | 1272/2008 [CLP]          | limit (SCL)   |          |             |
| 1,3,3,3-Tetrafluoropr | 60-100   | 01-0000019758-54   | 471-480-0 | Press. Gas (Liq.)        | -             | -        | -           |
| opene                 |          |                    |           | (H280)                   |               |          |             |
| (HFO-1234ze)          |          |                    |           |                          |               |          |             |
| 29118-24-9            |          |                    |           |                          |               |          |             |

### Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate No information available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### SECTION 4: First aid measures

### 4.1. Description of first aid measures

Category 3 - (H229)

| Inhalation                                                                      | Remove to fresh air.                                                                                              |  |  |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--|--|
| Eye contact                                                                     | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |  |  |
| Skin contact                                                                    | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.                 |  |  |
| Ingestion                                                                       | Rinse mouth.                                                                                                      |  |  |
| Self-protection of the first aider                                              | Wear personal protective clothing (see section 8).                                                                |  |  |
| 4.2. Most important symptoms and                                                | effects, both acute and delayed                                                                                   |  |  |
| Symptoms                                                                        | No information available.                                                                                         |  |  |
| Effects of Exposure                                                             | No information available.                                                                                         |  |  |
| 4.3. Indication of any immediate medical attention and special treatment needed |                                                                                                                   |  |  |
| Note to doctors                                                                 | Treat symptomatically.                                                                                            |  |  |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| Suitable Extinguishing Media                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                                                                            |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Large Fire                                                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                                                                                                                                                                                 |
| Unsuitable extinguishing media                                 | Do not scatter spilled material with high pressure water streams.                                                                                                                                                                                                  |
| 5.2. Special hazards arising from the                          | ne substance or mixture                                                                                                                                                                                                                                            |
| Specific hazards arising from the chemical                     | Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. |
| 5.3. Advice for firefighters                                   |                                                                                                                                                                                                                                                                    |
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.<br>Use personal protection equipment.                                                                                                                              |

### **SECTION 6: Accidental release measures**

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

 Personal precautions
 Use personal protective equipment as required. See section 8 for more information. Avoid breathing dust/fume/gas/mist/vapours/spray.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

| Environmental precautions           | Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.3. Methods and material for conta | ainment and cleaning up                                                                                                                              |
| Methods for containment             | Keep out of drains, sewers, ditches and waterways.                                                                                                   |
| Methods for cleaning up             | Pick up and transfer to properly labelled containers.                                                                                                |
| Prevention of secondary hazards     | Clean contaminated objects and areas thoroughly observing environmental regulations.                                                                 |
| 6.4. Reference to other sections    |                                                                                                                                                      |
| Reference to other sections         | See section 8 for more information. See section 13 for more information.                                                                             |

### SECTION 7: Handling and storage

7.1. Precautions for safe handling

| Advice on safe handling               | Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protection equipment.<br>Ensure adequate ventilation. Do not puncture or incinerate cans. Contents under pressure. |  |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| General hygiene considerations        | Handle in accordance with good industrial hygiene and safety practice.                                                                                                            |  |
| 7.2. Conditions for safe storage, inc | cluding any incompatibilities                                                                                                                                                     |  |
| Storage Conditions                    | Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Keep in properly labelled containers.                                    |  |
| Storage class (TRGS 510)              | LGK 2A.                                                                                                                                                                           |  |
| 7.3. Specific end use(s)              |                                                                                                                                                                                   |  |
| Risk Management Methods (RMM)         | The information required is contained in this Safety Data Sheet.                                                                                                                  |  |

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name             | Fr  | rance   | Germany TRGS                | Germany DFG                  | Greece                       | Hungary       |
|---------------------------|-----|---------|-----------------------------|------------------------------|------------------------------|---------------|
| 1,3,3,3-Tetrafluoropropen |     | -       | TWA: 1000 ppm               | TWA: 1000 ppm                | -                            | -             |
| e (HFO-1234ze)            |     |         | TWA: 4700 mg/m <sup>3</sup> | TWA: 4700 mg/m <sup>3</sup>  |                              |               |
| 29118-24-9                |     |         |                             | Peak: 2000 ppm               |                              |               |
|                           |     |         |                             | Peak: 9400 mg/m <sup>3</sup> |                              |               |
| Chemical name             | Po  | ortugal | Romania                     | Slovakia                     | Slovenia                     | Spain         |
| 1,3,3,3-Tetrafluoropropen |     | -       | -                           | -                            | TWA: 4700 mg/m <sup>3</sup>  | -             |
| e (HFO-1234ze)            |     |         |                             |                              | TWA: 1000 ppm                |               |
| 29118-24-9                |     |         |                             |                              | STEL: 2000 ppm               |               |
|                           |     |         |                             |                              | STEL: 9400 mg/m <sup>3</sup> |               |
| Chemical name             |     | Sv      | veden                       | Switzerland                  | Ur                           | nited Kingdom |
| 1,3,3,3-Tetrafluoroprope  | ene |         | -                           | TWA: 1000 ppn                | n                            | -             |
| (HFO-1234ze)              |     |         |                             | TWA: 4700 mg/r               | n <sup>3</sup>               |               |

| F          |                              |  |
|------------|------------------------------|--|
| 29118-24-9 | STEL: 2000 ppm               |  |
|            | STEL: 9400 mg/m <sup>3</sup> |  |

This product, as supplied, does not contain any hazardous materials with biological limits **Biological occupational exposure** established by the region specific regulatory bodies. limits

| Chemical name             | Latvia | Luxembourg | Romania                   | Slovakia |
|---------------------------|--------|------------|---------------------------|----------|
| 1,3,3,3-Tetrafluoropropen | -      | -          | 5 mg/g Creatinine - urine | -        |
| e (HFO-1234ze)            |        |            | (Fluorine) - end of shift |          |
| 29118-24-9                |        |            |                           |          |

**Derived No Effect Level (DNEL) - Workers** 

Derived No Effect Level (DNEL) - General Public .

Predicted No Effect Concentration (PNEC) .

| 8.2. Exposure controls          |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering controls            | Ensure adequate ventilation, especially in confined areas.                                                                                                               |
| Personal protective equipment   |                                                                                                                                                                          |
| Eye/face protection             | Safety glasses with side shields are recommended for medical or industrial exposures.                                                                                    |
|                                 |                                                                                                                                                                          |
| Skin and body protection        | No special protective equipment required.                                                                                                                                |
| Respiratory protection          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations  | Handle in accordance with good industrial hygiene and safety practice.                                                                                                   |
| Environmental exposure controls | No information available.                                                                                                                                                |

### **SECTION 9: Physical and chemical properties** .

| 9.1. Information on basic physical a   | and chemical properties  |                  |
|----------------------------------------|--------------------------|------------------|
| Physical state                         | Gas                      |                  |
| Appearance                             | Aerosol                  |                  |
| Colour                                 | Colourless               |                  |
| Odour                                  | Characteristic.          |                  |
| Odour threshold                        | No information available |                  |
|                                        |                          |                  |
| Property_                              | Values                   | Remarks • Method |
| Melting point / freezing point         | No data available        | None known       |
| Initial boiling point and boiling rang | ј <b>е</b> -19 °С        | -19°C            |
| Flammability                           | No data available        | None known       |
| Flammability Limit in Air              |                          | None known       |
| Upper flammability or explosive        | No data available        |                  |
| limits                                 |                          |                  |
| Lower flammability or explosive        | No data available        |                  |
| limits                                 |                          |                  |
| Flash point                            | No data available        | None known       |
|                                        |                          |                  |

| Autoignition temperature<br>Decomposition temperature | No data available        | None known<br>None known |
|-------------------------------------------------------|--------------------------|--------------------------|
| pH                                                    | No data available        | None known               |
| pH (as aqueous solution)                              | No data available        | None known               |
| Kinematic viscosity                                   | No data available        | None known               |
| Dynamic viscosity                                     | No data available        | None known               |
| Water solubility                                      | No data available        | None known               |
| Solubility(ies)                                       | No data available        | None known               |
| Partition coefficient                                 | No data available        | None known               |
| Vapour pressure                                       | No data available        | None known               |
| Relative density                                      | No data available        | None known               |
| Bulk density                                          | No data available        |                          |
| Liquid Density                                        | No data available        |                          |
| Relative vapour density                               | No data available        | None known               |
| Particle characteristics                              |                          |                          |
| Particle Size                                         | No information available |                          |
| Particle Size Distribution                            | No information available |                          |

### 9.2. Other information

9.2.1. Information with regards to physical hazard classes No information available

9.2.2. Other safety characteristics No information available

### SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity

No information available.

10.2. Chemical stability

Stability

Stable under normal conditions.

Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

### **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

#### **Product Information**

| Inhalation   | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. |
|--------------|-------------------------------------------------------------------------------------------------|
| Eye contact  | Specific test data for the substance or mixture is not available.                               |
| Skin contact | Specific test data for the substance or mixture is not available.                               |
| Ingestion    | Specific test data for the substance or mixture is not available.                               |

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

#### Acute toxicity

Numerical measures of toxicity No information available

The following values are calculated based on chapter 3.1 of the GHS document

| 9,999.00 | mg/kg                                                    |
|----------|----------------------------------------------------------|
| 9,999.00 | mg/kg                                                    |
| 9,999.00 | ppm                                                      |
| 9,999.00 | mg/l                                                     |
| 9,999.00 | mg/l                                                     |
|          | 9,999.00<br>9,999.00<br>9,999.00<br>9,999.00<br>9,999.00 |

| Chemical name              | Oral LD50 | Dermal LD50 | Inhalation LC50        |
|----------------------------|-----------|-------------|------------------------|
| 1,3,3,3-Tetrafluoropropene | -         | -           | > 207000 ppm (Rat) 4 h |
| (HFO-1234ze)               |           |             |                        |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Skin corrosion/irritation         | Based on available data, the classification criteria are not met. |
|-----------------------------------|-------------------------------------------------------------------|
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity            | Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | Based on available data, the classification criteria are not met. |
| Reproductive toxicity             | Based on available data, the classification criteria are not met. |
| STOT - single exposure            | Based on available data, the classification criteria are not met. |

| STOT - repeated exposure                                                                                                                                                                                                                                              | Based on available data, t                                                                                                                                                                                                                                  | he classification criteria are not met.                                                                                                                                                                                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Aspiration hazard                                                                                                                                                                                                                                                     | Based on available data, the classification criteria are not met.                                                                                                                                                                                           |                                                                                                                                                                                                                        |  |
| 11.2. Information on other hazards                                                                                                                                                                                                                                    | <u>.                                    </u>                                                                                                                                                                                                                |                                                                                                                                                                                                                        |  |
| 11.2.1. Endocrine disrupting prope                                                                                                                                                                                                                                    | erties                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                        |  |
| Endocrine disrupting properties                                                                                                                                                                                                                                       | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |                                                                                                                                                                                                                        |  |
| 11.2.2. Other information                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |  |
| Other adverse effects                                                                                                                                                                                                                                                 | No information available.                                                                                                                                                                                                                                   |                                                                                                                                                                                                                        |  |
| SECTION 12: Ecological in                                                                                                                                                                                                                                             | formation                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                        |  |
| 12.1. Toxicity                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |  |
| Ecotoxicity                                                                                                                                                                                                                                                           | The environmental impact                                                                                                                                                                                                                                    | of this product has not been fully investigated.                                                                                                                                                                       |  |
| 12.2. Persistence and degradability                                                                                                                                                                                                                                   | 12.2. Persistence and degradability                                                                                                                                                                                                                         |                                                                                                                                                                                                                        |  |
| Persistence and degradability                                                                                                                                                                                                                                         | No information available.                                                                                                                                                                                                                                   |                                                                                                                                                                                                                        |  |
| 12.3. Bioaccumulative potential                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |  |
| Bioaccumulation                                                                                                                                                                                                                                                       | There is no data for this p                                                                                                                                                                                                                                 | roduct.                                                                                                                                                                                                                |  |
| Chemical na                                                                                                                                                                                                                                                           | me                                                                                                                                                                                                                                                          | Partition coefficient                                                                                                                                                                                                  |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropent                                                                                                                                                                                                                            | me                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                        |  |
| Chemical na                                                                                                                                                                                                                                                           | me<br>e (HFO-1234ze)                                                                                                                                                                                                                                        | Partition coefficient                                                                                                                                                                                                  |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropent                                                                                                                                                                                                                            | me                                                                                                                                                                                                                                                          | Partition coefficient                                                                                                                                                                                                  |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropene<br>12.4. Mobility in soil                                                                                                                                                                                                  | me<br>e (HFO-1234ze)<br>No information available.                                                                                                                                                                                                           | Partition coefficient                                                                                                                                                                                                  |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropene<br>12.4. Mobility in soil<br>Mobility in soil                                                                                                                                                                              | me<br>e (HFO-1234ze)<br>No information available.                                                                                                                                                                                                           | Partition coefficient                                                                                                                                                                                                  |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropend<br>12.4. Mobility in soil<br>Mobility in soil<br>12.5. Results of PBT and vPvB asse                                                                                                                                        | me<br>e (HFO-1234ze)<br>No information available.<br>essment<br>The product does not cont<br>threshold of declaration.                                                                                                                                      | Partition coefficient<br>1.6                                                                                                                                                                                           |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropend<br>12.4. Mobility in soil<br>Mobility in soil<br>12.5. Results of PBT and vPvB asses<br>PBT and vPvB assessment                                                                                                            | me<br>e (HFO-1234ze)<br>No information available.<br>essment<br>The product does not com<br>threshold of declaration.<br>ies<br>The substance/mixture do<br>disrupting properties acco                                                                      | Partition coefficient<br>1.6                                                                                                                                                                                           |  |
| Chemical national 1,3,3,3-Tetrafluoropropender<br>12.4. Mobility in soil<br>Mobility in soil<br>12.5. Results of PBT and vPvB assess<br>PBT and vPvB assessment<br>12.6. Endocrine disrupting propert                                                                 | me<br>e (HFO-1234ze)<br>No information available.<br>essment<br>The product does not com<br>threshold of declaration.<br>ies<br>The substance/mixture do<br>disrupting properties acco                                                                      | Partition coefficient<br>1.6<br>tain any substance(s) classified as PBT or vPvB above the<br>es not contain components considered to have endocrine<br>rding to REACH Article 57(f) or Commission Delegated regulation |  |
| Chemical nat<br>1,3,3,3-Tetrafluoropropend<br>12.4. Mobility in soil<br>Mobility in soil<br>12.5. Results of PBT and vPvB asses<br>PBT and vPvB assessment<br>12.6. Endocrine disrupting properties<br>Endocrine disrupting properties<br>12.7. Other adverse effects | me<br>e (HFO-1234ze)<br>No information available.<br>essment<br>The product does not com<br>threshold of declaration.<br>ies<br>The substance/mixture do<br>disrupting properties acco<br>(EU) 2017/2100 or Comm                                            | Partition coefficient<br>1.6<br>tain any substance(s) classified as PBT or vPvB above the<br>es not contain components considered to have endocrine<br>rding to REACH Article 57(f) or Commission Delegated regulation |  |

Waste from residues/unused<br/>productsDispose of in accordance with local regulations.Contaminated packagingEmpty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld<br/>containers.

### **SECTION 14: Transport information**

| IATA14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazards14.6Special precautions for user<br>Special Provisions                                                                         | UN1950<br>AEROSOLS<br>2.2<br>None<br>No                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| IMDG14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazards14.6Special precautions for user<br>Special Provisions<br>EmS-No14.7Maritime transport in bulk<br>according to IMO instruments | UN1950<br>AEROSOLS<br>2.2<br>None<br>No<br>F-D, S-U<br>No information available |
| RID14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazards14.6Special precautions for user<br>Special Provisions                                                                          | UN1950<br>AEROSOLS<br>2.2<br>None<br>No                                         |
| ADR<br>14.1 UN number or ID number<br>14.2 UN proper shipping name<br>14.3 Transport hazard class(es)<br>14.4 Packing group<br>14.5 Environmental hazards<br>14.6 Special precautions for user<br>Special Provisions<br>Tunnel restriction code                 | UN1950<br>AEROSOLS<br>2.2<br>None<br>No<br>(E)                                  |

### **SECTION 15: Regulatory information**

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

National regulations

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

| International Inventories |                                                  |
|---------------------------|--------------------------------------------------|
| TSCA                      | Contact supplier for inventory compliance status |
| DSL/NDSL                  | Contact supplier for inventory compliance status |
| EINECS/ELINCS             | Contact supplier for inventory compliance status |
| ENCS                      | Contact supplier for inventory compliance status |
| IECSC                     | Contact supplier for inventory compliance status |
| KECL                      | Contact supplier for inventory compliance status |
| PICCS                     | Contact supplier for inventory compliance status |
| AIIC                      | Contact supplier for inventory compliance status |
| NZIOC                     | Contact supplier for inventory compliance status |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

- **ENCS** Japan Existing and New Chemical Substances
- **IECSC** China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

**NZIOC** - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report

No information available

### **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H280 - Contains gas under pressure; may explode if heated

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

#### 

| Classification procedure                                        |                       |  |
|-----------------------------------------------------------------|-----------------------|--|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used           |  |
| Acute oral toxicity                                             | Calculation method    |  |
| Acute dermal toxicity                                           | Calculation method    |  |
| Acute inhalation toxicity - gas                                 | Calculation method    |  |
| Acute inhalation toxicity - vapour                              | Calculation method    |  |
| Acute inhalation toxicity - dust/mist                           | Calculation method    |  |
| Skin corrosion/irritation                                       | Calculation method    |  |
| Serious eye damage/eye irritation                               | Calculation method    |  |
| Respiratory sensitisation                                       | Calculation method    |  |
| Skin sensitisation                                              | Calculation method    |  |
| Mutagenicity                                                    | Calculation method    |  |
| Carcinogenicity                                                 | Calculation method    |  |
| Reproductive toxicity                                           | Calculation method    |  |
| STOT - single exposure                                          | Calculation method    |  |
| STOT - repeated exposure                                        | Calculation method    |  |
| Acute aquatic toxicity                                          | Calculation method    |  |
| Chronic aquatic toxicity                                        | Calculation method    |  |
| Aspiration hazard                                               | Calculation method    |  |
| Ozone                                                           | Calculation method    |  |
| Flammable aerosol                                               | On basis of test data |  |

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date

06/11/2023

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

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### End of Safety Data Sheet