



# SAFETY DATA SHEET

Version #: 1,0 Issue date: 16-June-2022 Revision date: 16-June-2022

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

### 1.1. Product identifier

Trade name or designation of the mixture: Silicone IND

Registration number: -

Product registration number:

- Denmark: PR-990447
- Norway: P-639389

Synonyms: None.

Product code: BDS001830AE

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

Identified uses: Lubricants

Uses advised against: None known.

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

Company name: CRC Industries Europe bv

Address: Touwslagerstraat 1  
9240 Zele  
Belgium

Telephone: +32(0)52/45.60.11

Fax: +32(0)52/45.00.34

E-mail: hse@crcind.com

Website: www.crcind.com

1.4. Emergency telephone number: Tel.: +32(0)52/45.60.11 (office hours: 9-17h CET)

**General in EU** 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Austria National Poisons Information Centre** +431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Belgium National Poisons Control Center** 070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Bulgaria National Toxicological Information Centre** +359 2 9154233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Czech Republic National Poisons Information Centre** +420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

**Denmark National Poisons Control Center** +45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Estonia National Poisons Information Centre** 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

**Finland National Poison Information Center** (09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**France National Poisons Control Center** ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Hungary National Emergency Phone Number** 36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Lithuania Neatidėliotina informacija apsinuodijus** +370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

**Malta Accident and Emergency Department** 2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

|   |  |
|---|--|
| <b>Netherlands National Poisons Information Center (NVIC)</b>           | 030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)                                      |
| <b>Norway Norwegian Poison Information Center</b>                       | 22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)                          |
| <b>Portugal Poison Centre</b>   | 800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)                          |
| <b>Romania Număr de telefon care poate fi apelat în caz de urgență:</b> | 021 5992300, int. 291 Spitalul Clinic de Urgență București:<br>spital@urgentaflorasca.ro   |
| <b>Romania</b>  | 0265 212111, 0265 211292, 0265 217235 Spitalul Clinic Județean de Urgență Târgu Mureș: secretariat@spitjudms.ro                          |
| <b>Slovakia National Toxicological Information Centre</b>               | +421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)                     |
| <b>Sweden National Poison Information Center</b>                        | 112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |
| <b>Switzerland Tox Info Suisse</b>                                      | 145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)                                  |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

|          |            |   |
|----------|------------|---|
| Aerosols | Category 1 | H222 - Extremely flammable aerosol.<br>H229 - Pressurized container: May burst if heated. |
|----------|------------|---|

##### Health hazards

|  |                             |   |
|--|-----------------------------|---|
| Skin corrosion/irritation                        | Category 2                  | H315 - Causes skin irritation.            |
| Specific target organ toxicity - single exposure | Category 3 narcotic effects | H336 - May cause drowsiness or dizziness. |

##### Environmental hazards

|  |            |   |
|--|------------|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 2 | H411 - Toxic to aquatic life with long lasting effects. |
|--|------------|---|

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                     |
| H229 | Pressurized container: May burst if heated.      |
| H315 | Causes skin irritation.                          |
| H336 | May cause drowsiness or dizziness.               |
| H411 | Toxic to aquatic life with long lasting effects. |

#### Precautionary statements

##### Prevention

|      |  |
|------|--|
| P102 | Keep out of reach of children.   |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source.  |
| P251 | Do not pierce or burn, even after use.   |
| P261 | Avoid breathing mist/vapours.  |
| P271 | Use only outdoors or in a well-ventilated area.  |

|                                       |  |
|---------------------------------------|--|
| <b>Response</b>                       | Not assigned.  |
| <b>Storage</b>                        |  |
| P410 + P412                           | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.   |
| <b>Disposal</b>                       |  |
| P501                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Supplemental label information</b> | None.  |
| <b>2.3. Other hazards</b>             | This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

| Chemical name  | %       | CAS-No. / EC No.      | REACH Registration No. | Index No.    | Notes |
|--|---------|-----------------------|------------------------|--------------|-------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane   | 25 - 50 | -<br>921-024-6        | 01-2119475514-35       | -            |       |
| <b>Classification:</b> Flam. Liq. 2;H225, Skin Irrit. 2;H315, STOT SE 3;H336, Asp. Tox. 1;H304, Aquatic Chronic 2;H411 |         |                       |                        |              |       |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic  | 25 - 50 | -<br>927-510-4        | 01-2119475515-33       | 649-328-00-1 |       |
| <b>Classification:</b> Flam. Liq. 2;H225, Skin Irrit. 2;H315, STOT SE 3;H336, Asp. Tox. 1;H304, Aquatic Chronic 2;H411 |         |                       |                        |              |       |
| Carbon dioxide   | 1 - 5   | 124-38-9<br>204-696-9 | -                      | -            | #     |
| <b>Classification:</b> Press. Gas;H280   |         |                       |                        |              |       |

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.1. Description of first aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

**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

**General fire hazards** Extremely flammable aerosol.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

#### Special fire fighting procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

#### For emergency responders

Keep unnecessary personnel away. Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### 6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

### 6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

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

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria

##### Components

##### Type

##### Value

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

TWA (MAK)

200 ppm

##### Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

##### Components

##### Type

##### Value

Carbon dioxide (CAS 124-38-9)

Ceiling

18000 mg/m<sup>3</sup>

10000 ppm

MAK

9000 mg/m<sup>3</sup>

5000 ppm

**Belgium. Exposure Limit Values**

| Components                    | Type | Value                              |
|-------------------------------|------|------------------------------------|
| Carbon dioxide (CAS 124-38-9) | STEL | 54784 mg/m <sup>3</sup>            |
|                               |      | 30000 ppm                          |
|                               | TWA  | 9131 mg/m <sup>3</sup><br>5000 ppm |

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | MAC  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Czech Republic. OELs. Government Decree 361**

| Components                    | Type    | Value                   |
|-------------------------------|---------|-------------------------|
| Carbon dioxide (CAS 124-38-9) | Ceiling | 45000 mg/m <sup>3</sup> |
|                               | TWA     | 9000 mg/m <sup>3</sup>  |

**Denmark. Exposure Limit Values**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TLV  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Finland. Workplace Exposure Limits**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9100 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**France Components**

| Components  | Type | Value                  |
|---|------|------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane | STEL | 1500 mg/m <sup>3</sup> |
|   | TWA  | 1000 mg/m <sup>3</sup> |

**France. OELs. Indicative Occupational Exposure Limits as Prescribed by Order of 30 June 2004, as amended**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | VME  | 9000 mg/m <sup>3</sup> |
|                               |      | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |
|                               |      | 5000 ppm               |

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | VME  | 9000 mg/m <sup>3</sup> |

**Regulatory status:** Regulatory indicative (VRI)

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

| Components  | Type | Value       |
|---|------|-------------|
|   |      | 5000 ppm    |
| <b>Regulatory status:</b> Regulatory indicative (VRI)   |      |             |
| <b>Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)</b> |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9100 mg/m3  |
|   |      | 5000 ppm    |
| <b>Germany - TRGS 900</b>   |      |             |
| Components  | Type | Value       |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane  | TWA  | 700 mg/m3   |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic   | TWA  | 1500 mg/m3  |
| <b>Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace</b>  |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | AGW  | 9100 mg/m3  |
|   |      | 5000 ppm    |
| <b>Greece. OELs (Decree No. 90/1999, as amended)</b>  |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | STEL | 54000 mg/m3 |
|   |      | 5000 ppm    |
|   | TWA  | 9000 mg/m3  |
|   |      | 5000 ppm    |
| <b>Hungary. OELs. Joint Decree on Chemical Safety of Workplaces</b>   |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9000 mg/m3  |
| <b>Iceland. OELs. Regulation 154/1999 on occupational exposure limits</b>   |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9000 mg/m3  |
|   |      | 5000 ppm    |
| <b>Ireland. Occupational Exposure Limits</b>  |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9000 mg/m3  |
|   |      | 5000 ppm    |
| <b>Italy. Occupational Exposure Limits</b>  |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9000 mg/m3  |
|   |      | 5000 ppm    |
| <b>Latvia. OELs. Occupational exposure limit values of chemical substances in work environment</b>  |      |             |
| Components  | Type | Value       |
| Carbon dioxide (CAS 124-38-9)   | TWA  | 9000 mg/m3  |
|   |      | 5000 ppm    |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Netherlands. OELs (binding)**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      |            |

**Norway. Administrative Norms for Contaminants in the Workplace**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TLV  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

| Components                       | Type | Value       |
|----------------------------------|------|-------------|
| Carbon dioxide (CAS<br>124-38-9) | STEL | 27000 mg/m3 |
|                                  | TWA  | 9000 mg/m3  |

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

| Components                       | Type | Value     |
|----------------------------------|------|-----------|
| Carbon dioxide (CAS<br>124-38-9) | STEL | 30000 ppm |
|                                  | TWA  | 5000 ppm  |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Components                                 | Type | Value      |
|--|------|------------|
| Carbon dioxide (CAS<br>124-38-9)           | TWA  | 9000 mg/m3 |
|  |      | 5000 ppm   |
| Poly(dimethylsiloxane)<br>(CAS 63148-62-9) | STEL | 300 mg/m3  |
|  | TWA  | 200 mg/m3  |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Carbon dioxide (CAS<br>124-38-9) | TWA  | 9000 mg/m3 |
|                                  |      | 5000 ppm   |

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Spain. Occupational Exposure Limits**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9150 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Sweden**

| Components   | Type       | Value   |
|--|------------|---------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane | STEL (STV) | 300 ppm |
|  | TWA        | 200 ppm |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic                    | STEL (STV) | 300 ppm |
|  | TWA        | 200 ppm |

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

| Components                    | Type | Value                              |
|-------------------------------|------|------------------------------------|
| Carbon dioxide (CAS 124-38-9) | STEL | 18000 mg/m <sup>3</sup>            |
|                               |      | 10000 ppm                          |
|                               | TWA  | 9000 mg/m <sup>3</sup><br>5000 ppm |

**Switzerland**

| Components   | Type | Value   |
|--|------|---------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane | TWA  | 500 ppm |

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Components                    | Type | Value                              |
|-------------------------------|------|------------------------------------|
| Carbon dioxide (CAS 124-38-9) | STEL | 27400 mg/m <sup>3</sup>            |
|                               |      | 15000 ppm                          |
|                               | TWA  | 9150 mg/m <sup>3</sup><br>5000 ppm |

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU**

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carbon dioxide (CAS 124-38-9) | TWA  | 9000 mg/m <sup>3</sup> |
|                               |      | 5000 ppm               |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures**

Follow standard monitoring procedures.



## Derived no effect levels (DNELs)

### General Population

| Components   | Value                 | Assessment factor | Notes |
|--|-----------------------|-------------------|-------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS -) |                       |                   |       |
| Long-term, Systemic, Dermal  | 699 mg/kg bw/day      |                   |       |
| Long-term, Systemic, Inhalation  | 608 mg/m <sup>3</sup> |                   |       |
| Long-term, Systemic, Oral  | 699 mg/kg bw/day      |                   |       |

### Workers

| Components   | Value                  | Assessment factor | Notes |
|--|------------------------|-------------------|-------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS -) |                        |                   |       |
| Long-term, Systemic, Dermal  | 773 mg/kg bw/day       |                   |       |
| Long-term, Systemic, Inhalation  | 2035 mg/m <sup>3</sup> |                   |       |

**Predicted no effect concentrations (PNECs)** Not available.

## 8.2. Exposure 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. Provide eyewash station and safety shower.

## Individual protection measures, such as personal protective equipment

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

**Skin protection**

**- Hand protection** When handling the product wear chemical-resistant gloves (standard EN 374). 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. Suitable gloves can be recommended by the glove supplier.

**- Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. (Filter type AX)

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

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

|   |                                |
|---|--------------------------------|
| <b>Physical state</b>   | Liquid.                        |
| <b>Form</b>   | Aerosol.                       |
| <b>Colour</b>   | Colourless.                    |
| <b>Odour</b>  | Solvent.                       |
| <b>Melting point/freezing point</b>                             | -56,6 °C (-69,9 °F) estimated  |
| <b>Boiling point or initial boiling point and boiling range</b> | 60 - 100 °C (140 - 212 °F)     |
| <b>Flammability (solid, gas)</b>                                | Not available.                 |
| <b>Upper/lower flammability or explosive limits</b>             |                                |
| <b>Explosive limit - lower (%)</b>                              | 8 % estimated                  |
| <b>Explosive limit – upper (%)</b>                              | 0,9 % estimated                |
| <b>Flash point</b>  | -26,0 °C (-14,8 °F) Closed cup |
| <b>Auto-ignition temperature</b>                                | > 200 °C (> 392 °F)            |
| <b>Decomposition temperature</b>                                | Not available.                 |

|                                 |                                |
|---------------------------------|--------------------------------|
| pH                              | Not applicable.                |
| <b>Solubility(ies)</b>          |                                |
| <b>Solubility (water)</b>       | Insoluble in water             |
| <b>Vapour pressure</b>          | Not available.                 |
| <b>Vapour density</b>           | > 3 at 20°C                    |
| <b>Relative density</b>         | 0,72 g/cm <sup>3</sup> at 20°C |
| <b>Particle characteristics</b> | Not available.                 |

## 9.2. Other information

**9.2.1. Information with regard to physical hazard classes** No relevant additional information available.

### 9.2.2. Other safety characteristics

|                             |                |
|-----------------------------|----------------|
| <b>Explosive properties</b> | Not explosive. |
| <b>Oxidising properties</b> | Not oxidising. |
| <b>VOC</b>                  | 645 g/l        |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1. Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>10.2. Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>10.3. Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>10.4. Conditions to avoid</b>                | Avoid high temperatures.  |
| <b>10.5. Incompatible materials</b>             | Strong oxidising agents.  |
| <b>10.6. Hazardous decomposition products</b>   | Carbon oxides.  |

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.                 |
| <b>Skin contact</b> | Causes skin irritation.   |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.  |
| <b>Ingestion</b>    | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |

**Symptoms** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

### 11.1. Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

| Components   | Species                 | Test Results                  |
|--|-------------------------|-------------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane |                         |                               |
| <b>Acute</b>   |                         |                               |
| <b>Dermal</b>  |                         |                               |
| LD50   | Rat                     | 2920 mg/kg bw/day, 24 h       |
| <b>Inhalation</b>  |                         |                               |
| LC50   | Rat                     | 25200 mg/m <sup>3</sup> , 4 h |
| <b>Oral</b>  |                         |                               |
| LD50   | Rat                     | 5840 mg/kg bw/day             |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic                    |                         |                               |
| <b>Acute</b>   |                         |                               |
| <b>Dermal</b>  |                         |                               |
| LD50   | Rat                     | 2920 mg/kg                    |
| <b>Inhalation</b>  |                         |                               |
| LC50   | Rat                     | 23,3 mg/l                     |
| <b>Oral</b>  |                         |                               |
| LD50   | Rat                     | 5840 mg/kg                    |
| <b>Skin corrosion/irritation</b>                                   | Causes skin irritation. |                               |

|  |   |
|--|---|
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation.          |
| <b>Respiratory sensitisation</b>         | Based on available data, the classification criteria are not met. |
| <b>Skin sensitisation</b>                | Based on available data, the classification criteria are not met. |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met. |

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**

Not listed.

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness or dizziness.                                |
| <b>Specific target organ toxicity - repeated exposure</b> | Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>                                  | Not likely, due to the form of the product.                       |
| <b>Mixture versus substance information</b>               | Not available.  |

**11.2. Information on other hazards**

**Endocrine disrupting properties** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other information** Not available.

**SECTION 12: Ecological information**

**12.1. Toxicity** Toxic to aquatic life with long lasting effects.

| Components   | Species |         | Test Results            |
|--|---------|---------|-------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane |         |         |                         |
| <b>Aquatic</b>   |         |         |                         |
| <i>Acute</i>   |         |         |                         |
| Algae  | EC50    | Algae   | > 30 - < 100 mg/l, 72 h |
| Crustacea  | EC50    | Daphnia | 3 mg/l, 48 h            |
| Fish   | LC50    | Fish    | 11,4 mg/l, 96 h         |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic                    |         |         |                         |
| <b>Aquatic</b>   |         |         |                         |
| <i>Acute</i>   |         |         |                         |
| Crustacea  | EC50    | Daphnia | 3 mg/l, 48 hours        |
| Fish   | LC50    | Fish    | > 13,4 mg/l, 96 hours   |
| <i>Chronic</i>   |         |         |                         |
| Crustacea  | NOEC    | Daphnia | 0,17 mg/l, 21 days      |

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential** No data available.

**Partition coefficient n-octanol/water (log Kow)** Not available.

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Endocrine disrupting properties** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7. Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.  
GWP: 0

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

|                                     |   |
|-------------------------------------|---|
| <b>Residual waste</b>               | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).  |
| <b>Contaminated packaging</b>       | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.  |
| <b>EU waste code</b>                | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.  |
| <b>Disposal methods/information</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Special precautions</b>          | Dispose in accordance with all applicable regulations.  |

## SECTION 14: Transport information

### ADR

|   |   |
|---|---|
| <b>14.1. UN number</b>                    | UN1950  |
| <b>14.2. UN proper shipping name</b>      | AEROSOLS  |
| <b>14.3. Transport hazard class(es)</b>   |   |
| <b>Class</b>                              | 2.1   |
| <b>Subsidiary risk</b>                    | -   |
| <b>Label(s)</b>                           | 2.1   |
| <b>Hazard No. (ADR)</b>                   | Not available.  |
| <b>Tunnel restriction code</b>            | D   |
| <b>14.4. Packing group</b>                | Not available.  |
| <b>14.3. Transport hazard class(es)</b>   |   |
| <b>ADR/RID - Classification code:</b>     | 5F  |
| <b>14.5. Environmental hazards</b>        | Yes   |
| <b>14.6. Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

### IATA

|   |   |
|---|---|
| <b>14.1. UN number</b>                    | UN1950  |
| <b>14.2. UN proper shipping name</b>      | AEROSOLS  |
| <b>14.3. Transport hazard class(es)</b>   |   |
| <b>Class</b>                              | 2.1   |
| <b>Subsidiary risk</b>                    | -   |
| <b>14.4. Packing group</b>                | Not available.  |
| <b>14.5. Environmental hazards</b>        | Yes   |
| <b>ERG Code</b>                           | 10L   |
| <b>14.6. Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>                  |   |
| <b>Passenger and cargo aircraft</b>       | Allowed with restrictions.  |
| <b>Cargo aircraft only</b>                | Allowed with restrictions.  |

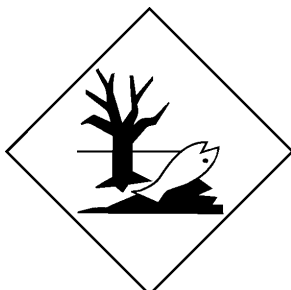
### IMDG

|  |   |
|--|---|
| <b>14.1. UN number</b>   | UN1950  |
| <b>14.2. UN proper shipping name</b>                                 | AEROSOLS, MARINE POLLUTANT  |
| <b>14.3. Transport hazard class(es)</b>                              |   |
| <b>Class</b>   | 2.1   |
| <b>Subsidiary risk</b>   | -   |
| <b>14.4. Packing group</b>   | Not available.  |
| <b>14.5. Environmental hazards</b>                                   |   |
| <b>Marine pollutant</b>  | Yes   |
| <b>EmS</b>   | F-D, S-U  |
| <b>14.6. Special precautions for user</b>                            | Read safety instructions, SDS and emergency procedures before handling. |
| <b>14.7. Maritime transport in bulk according to IMO instruments</b> | Not established.  |

ADR; IATA; IMDG



Marine pollutant



## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Carbon dioxide (CAS 124-38-9)

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

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.  
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.  
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).  
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).  
CAS: Chemical Abstract Service.  
Ceiling: Short Term Exposure Limit Ceiling value.  
CEN: European Committee for Standardization.  
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.  
GWP: Global Warming Potential.  
IATA: International Air Transport Association.  
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Dangerous Goods.  
MAC: Maximum Allowed Concentration.  
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).  
MARPOL: International Convention for the Prevention of Pollution from Ships.  
PBT: Persistent, bioaccumulative and toxic.  
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals).  
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.  
STEL: Short term exposure limit.  
TLV: Threshold Limit Value.  
TWA: Time Weighted Average.  
VLE: Exposure Limit Value.  
VME: Exposure Average Value.  
VOC: Volatile organic compounds.  
vPvB: Very persistent and very bioaccumulative.  
STEL: Short-term Exposure Limit.

### References

Not available.

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

### Disclaimer

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