

# SAFETY DATA SHEET



Cleaner Spray S

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

### 1.1 Product identifier

**Product name** : Cleaner Spray S  
**UFI** : JY90-V0U3-A00M-J1K6  
**Product code** : 112025  
**Color** : Colorless.

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

| Identified uses                |
|--------------------------------|
| Aerosol product-Cleaning agent |

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

WEICON GmbH & Co. KG  
Königsberger Str. 255  
48157 Münster  
Germany  
Phone: +49 251 93220  
Fax: +49(0)251 / 9322 - 244  
Internet: www.weicon.de

**e-mail address of person responsible for this SDS** : msds@weicon.de

### 1.4 Emergency telephone number

**Telephone number** : EMERGENCY CONTACT – UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)  
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Aerosol 1, H222, H229  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H336  
Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

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## SECTION 2: Hazards identification

- Hazard statements** : H222, H229 - Extremely flammable aerosol. Pressurized container: may burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.
- Precautionary statements**
- Prevention** : P280 - Wear protective gloves. Wear eye or face protection.  
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.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P261 - Avoid breathing dust or mist.  
P264 - Wash thoroughly after handling.  
P251 - Do not pierce or burn, even after use.
- Response** : P391 - Collect spillage.  
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice or attention.
- Storage** : P405 - Store locked up.  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- Disposal** : P501 - Dispose of waste according to applicable legislation.
- Hazardous ingredients** : Naphtha (petroleum), hydrotreated light  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- Supplemental label elements** : Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### 2.3 Other hazards

- Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- Other hazards which do not result in classification** : Aspiration hazard - Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Type |
|-------------------------|-------------|---|----------------|---|------|
|                         |             |   |                |   |      |

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### SECTION 3: Composition/information on ingredients

|   |  |           |  |               |         |
|---|--|-----------|--|---------------|---------|
| Naphtha (petroleum), hydrotreated light                           | REACH #:<br>01-2119475515-33<br>EC: 265-151-9<br>CAS: 64742-49-0                       | ≥25 - ≤50 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411   | -             | [1]     |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | REACH #:<br>01-2119475514-35<br>EC: 921-024-6<br>CAS: -                                | ≥25 - ≤50 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411   | -             | [1]     |
| acetone   | REACH #:<br>01-2119471330-49<br>EC: 200-662-2<br>CAS: 67-64-1<br>Index: 606-001-00-8   | ≥10 - <20 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066  | -             | [1] [2] |
| isobutane   | REACH #:<br>01-2119485395-27<br>EC: 200-857-2<br>CAS: 75-28-5<br>Index: 601-004-00-0   | ≤10       | Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280   | -             | [2]     |
| carbon dioxide  | REACH #: Annex IV<br>EC: 204-696-9<br>CAS: 124-38-9                                    | ≤5        | Press. Gas (Comp.), H280   | -             | [2]     |
| propane   | REACH #:<br>01-2119486944-21<br>EC: 200-827-9<br>CAS: 74-98-6<br>Index: 601-003-00-5   | ≤5        | Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280   | -             | [2]     |
| propan-2-ol   | REACH #:<br>01-2119457558-25<br>EC: 200-661-7<br>CAS: 67-63-0<br>Index: 603-117-00-0   | ≤5        | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  | -             | [1] [2] |
| ethanol   | REACH #:<br>01-2119457610-43<br>EC: 200-578-6<br>CAS: 64-17-5<br>Index: 603-002-00-5   | ≤5        | Flam. Liq. 2, H225   | -             | [2]     |
| (R)-p-mentha-1,8-diene  | REACH #:<br>01-2119529223-47<br>EC: 227-813-5<br>CAS: 5989-27-5<br>Index: 601-096-00-2 | <1        | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412<br><b>See Section 16 for the full text of the H statements declared above.</b> | M [Acute] = 1 | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

## SECTION 3: Composition/information on ingredients

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

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

**Hazards from the substance or mixture** : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

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

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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## SECTION 6: Accidental release measures

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Seveso Directive - Reporting thresholds

##### Danger criteria

| Category  | Notification and MAPP threshold | Safety report threshold |
|-----------|---------------------------------|-------------------------|
| P3a<br>E2 | 150 tonne<br>200 tonne          | 500 tonne<br>500 tonne  |

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values  |
|-------------------------|--|
| acetone                 | <b>TRGS 900 OEL (Germany, 7/2021).</b><br>TWA: 1200 mg/m <sup>3</sup> 8 hours.<br>PEAK: 2400 mg/m <sup>3</sup> 15 minutes.<br>TWA: 500 ppm 8 hours.<br>PEAK: 1000 ppm 15 minutes.<br><b>DFG MAC-values list (Germany, 10/2021).</b><br>TWA: 500 ppm 8 hours.<br>PEAK: 1000 ppm, 4 times per shift, 15 minutes.<br>TWA: 1200 mg/m <sup>3</sup> 8 hours. |

## SECTION 8: Exposure controls/personal protection

|                        |   |
|------------------------|---|
| isobutane              | <p>PEAK: 2400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p> <p><b>TRGS 900 OEL (Germany, 7/2021).</b><br/> TWA: 2400 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 9600 mg/m<sup>3</sup> 15 minutes.<br/> TWA: 1000 ppm 8 hours.<br/> PEAK: 4000 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 10/2021). [Butane]</b><br/> TWA: 1000 ppm 8 hours.<br/> PEAK: 4000 ppm, 4 times per shift, 15 minutes.<br/> TWA: 2400 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 9600 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p> |
| carbon dioxide         | <p><b>TRGS 900 OEL (Germany, 7/2021).</b><br/> TWA: 9100 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 18200 mg/m<sup>3</sup> 15 minutes.<br/> TWA: 5000 ppm 8 hours.<br/> PEAK: 10000 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 10/2021).</b><br/> TWA: 5000 ppm 8 hours.<br/> PEAK: 10000 ppm, 4 times per shift, 15 minutes.<br/> TWA: 9100 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 18200 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p>   |
| propane                | <p><b>TRGS 900 OEL (Germany, 7/2021).</b><br/> TWA: 1800 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 7200 mg/m<sup>3</sup> 15 minutes.<br/> TWA: 1000 ppm 8 hours.<br/> PEAK: 4000 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 10/2021).</b><br/> TWA: 1000 ppm 8 hours.<br/> PEAK: 4000 ppm, 4 times per shift, 15 minutes.<br/> TWA: 1800 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 7200 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p>   |
| propan-2-ol            | <p><b>TRGS 900 OEL (Germany, 7/2021).</b><br/> TWA: 500 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 1000 mg/m<sup>3</sup> 15 minutes.<br/> TWA: 200 ppm 8 hours.<br/> PEAK: 400 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 10/2021).</b><br/> TWA: 200 ppm 8 hours.<br/> PEAK: 400 ppm, 4 times per shift, 15 minutes.<br/> TWA: 500 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 1000 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p>   |
| ethanol                | <p><b>TRGS 900 OEL (Germany, 7/2021).</b><br/> TWA: 380 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 1520 mg/m<sup>3</sup> 15 minutes.<br/> TWA: 200 ppm 8 hours.<br/> PEAK: 800 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 10/2021).</b><br/> TWA: 200 ppm 8 hours.<br/> PEAK: 800 ppm, 4 times per shift, 15 minutes.<br/> TWA: 380 mg/m<sup>3</sup> 8 hours.<br/> PEAK: 1520 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p>   |
| (R)-p-mentha-1,8-diene | <p><b>DFG MAC-values list (Germany, 10/2021). Absorbed through skin. Skin sensitizer.</b><br/> TWA: 5 ppm 8 hours.<br/> PEAK: 20 ppm, 4 times per shift, 15 minutes.</p>  |

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## SECTION 8: Exposure controls/personal protection

TWA: 28 mg/m<sup>3</sup> 8 hours.  
 PEAK: 112 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.  
**TRGS 900 OEL (Germany, 7/2021). Absorbed through skin.**  
**Skin sensitizer.**  
 PEAK: 20 ppm 15 minutes.  
 PEAK: 112 mg/m<sup>3</sup> 15 minutes.  
 TWA: 5 ppm 8 hours.  
 TWA: 28 mg/m<sup>3</sup> 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name                 | Type | Exposure              | Value                     | Population         | Effects  |
|---|------|-----------------------|---------------------------|--------------------|----------|
| Naphtha (petroleum), hydrotreated light | DNEL | Long term Dermal      | 25.9 mg/kg bw/day         | Workers            | Systemic |
|   | DNEL | Long term Inhalation  | 0.41 mg/m <sup>3</sup>    | General population | Systemic |
|   | DNEL | Long term Inhalation  | 1.9 mg/m <sup>3</sup>     | Workers            | Systemic |
|   | DNEL | Long term Oral        | 149 mg/kg bw/day          | General population | Systemic |
|   | DNEL | Long term Dermal      | 149 mg/kg bw/day          | General population | Systemic |
|   | DNEL | Long term Inhalation  | 178.57 mg/m <sup>3</sup>  | General population | Local    |
|   | DNEL | Short term Inhalation | 640 mg/m <sup>3</sup>     | General population | Local    |
|   | DNEL | Long term Inhalation  | 837.5 mg/m <sup>3</sup>   | Workers            | Local    |
|   | DNEL | Short term Inhalation | 1066.67 mg/m <sup>3</sup> | Workers            | Local    |
|   | DNEL | Short term Inhalation | 1152 mg/m <sup>3</sup>    | General population | Systemic |
| acetone                                 | DNEL | Short term Inhalation | 1286.4 mg/m <sup>3</sup>  | Workers            | Systemic |
|   | DNEL | Long term Oral        | 62 mg/kg bw/day           | General population | Systemic |
|   | DNEL | Long term Dermal      | 62 mg/kg bw/day           | General population | Systemic |



## SECTION 8: Exposure controls/personal protection

|                        |      |                       |                          |                    |          |
|------------------------|------|-----------------------|--------------------------|--------------------|----------|
| propan-2-ol            | DNEL | Long term Dermal      | 186 mg/kg bw/day         | Workers            | Systemic |
|                        | DNEL | Long term Inhalation  | 200 mg/m <sup>3</sup>    | General population | Systemic |
|                        | DNEL | Long term Inhalation  | 1210 mg/m <sup>3</sup>   | Workers            | Systemic |
|                        | DNEL | Short term Inhalation | 2420 mg/m <sup>3</sup>   | Workers            | Local    |
|                        | DNEL | Long term Oral        | 26 mg/kg bw/day          | General population | Systemic |
|                        | DNEL | Long term Inhalation  | 89 mg/m <sup>3</sup>     | General population | Systemic |
|                        | DNEL | Long term Dermal      | 319 mg/kg bw/day         | General population | Systemic |
|                        | DNEL | Long term Inhalation  | 500 mg/m <sup>3</sup>    | Workers            | Systemic |
| (R)-p-mentha-1,8-diene | DNEL | Long term Dermal      | 888 mg/kg bw/day         | Workers            | Systemic |
|                        | DNEL | Long term Oral        | 4.76 mg/kg bw/day        | General population | Systemic |
|                        | DNEL | Long term Inhalation  | 8.33 mg/m <sup>3</sup>   | General population | Systemic |
|                        | DNEL | Long term Inhalation  | 33.3 mg/m <sup>3</sup>   | Workers            | Systemic |
|                        | DNEL | Short term Dermal     | 0.111 mg/cm <sup>2</sup> | General population | Local    |
|                        | DNEL | Short term Dermal     | 0.222 mg/cm <sup>2</sup> | Workers            | Local    |
|                        | DNEL | Long term Dermal      | 4.8 mg/kg bw/day         | General population | Systemic |
|                        | DNEL | Long term Dermal      | 9.5 mg/kg bw/day         | Workers            | Systemic |

### PNECs

No PNECs available.

### 8.2 Exposure controls

#### **Appropriate engineering controls**

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### **Individual protection measures**

##### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 8: Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Recommended : 1 - 4 hours (breakthrough time): nitrile rubber 4 - 8 hours (breakthrough time): Viton®/butyl rubber
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended : organic vapor (Type AX) and particulate filter
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Aerosol.
- Color** : Colorless.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flammability** : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.  
Flammable in the presence of the following materials or conditions: heat.
- Upper/lower flammability or explosive limits** : Lower: 1.5%
- Flash point** : Closed cup: Not applicable.
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- pH** : Not applicable.
- Viscosity** : Kinematic: Not applicable.
- Solubility(ies)** :  
Not available.

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## SECTION 9: Physical and chemical properties

**Solubility in water** : Not available.

**Miscible with water** : No.

**Partition coefficient: n-octanol/ water** : Not applicable.

**Vapor pressure** :

| Ingredient name   | Vapor Pressure at 20°C |      |          | Vapor pressure at 50°C |      |          |
|---|------------------------|------|----------|------------------------|------|----------|
|   | mm Hg                  | kPa  | Method   | mm Hg                  | kPa  | Method   |
| carbon dioxide  | 42903.49               | 5720 |          |                        |      |          |
| propane   | 6300.51                | 840  |          |                        |      |          |
| isobutane   | 2280.19                | 304  |          |                        |      |          |
| acetone   | 180.01                 | 24   |          |                        |      |          |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | 45.004                 | 6    |          |                        |      |          |
| ethanol   | 42.95                  | 5.7  |          |                        |      |          |
| Naphtha (petroleum), hydrotreated light                           | 42.15                  | 5.6  | OECD 104 | 357.48                 | 47.7 | OECD 104 |
| propan-2-ol   | 33                     | 4.4  |          |                        |      |          |
| (R)-p-mentha-1,8-diene  | 1.5                    | 0.2  |          |                        |      |          |

**Relative density** : Not available.

**Density** : 0.699 g/cm<sup>3</sup>

**Vapor density** : Not available.

**Explosive properties** : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

**Oxidizing properties** : Not available.

### Particle characteristics

**Median particle size** : Not applicable.

**Fire point** : >200°C

**SADT** : Not available.

**SAPT** : Not available.

**Heat of combustion** : 9.394 kJ/g

### Aerosol product

**Type of aerosol** : Spray

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame).

**10.5 Incompatible materials** : No specific data.

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose        | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| acetone                 | LD50 Oral   | Rat     | 5800 mg/kg  | -        |
| propan-2-ol             | LD50 Dermal | Rabbit  | 12800 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 5000 mg/kg  | -        |
| (R)-p-mentha-1,8-diene  | LD50 Dermal | Rabbit  | >5000 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 4400 mg/kg  | -        |

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

|                | ATE value |
|----------------|-----------|
| Not available. |           |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| acetone                 | Eyes - Mild irritant     | Human   | -     | 186300 ppm      | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 10 uL           | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 20 mg           | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 395 mg          | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 mg | -           |
| propan-2-ol             | Eyes - Moderate irritant | Rabbit  | -     | 10 mg           | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |
| (R)-p-mentha-1,8-diene  | Skin - Mild irritant     | Rabbit  | -     | 24 hours 10 %   | -           |

**Conclusion/Summary** : Not available.

#### Sensitization

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

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## SECTION 11: Toxicological information

| Product/ingredient name   | Category   | Route of exposure | Target organs    |
|---|------------|-------------------|------------------|
| Naphtha (petroleum), hydrotreated light                           | Category 3 | -                 | Narcotic effects |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | Category 3 | -                 | Narcotic effects |
| acetone   | Category 3 | -                 | Narcotic effects |
| propan-2-ol   | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

| Product/ingredient name   | Result                         |
|---|--------------------------------|
| Naphtha (petroleum), hydrotreated light                           | ASPIRATION HAZARD - Category 1 |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | ASPIRATION HAZARD - Category 1 |
| (R)-p-mentha-1,8-diene  | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : Can cause central nervous system (CNS) depression.

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

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing  
 nausea or vomiting  
 headache  
 drowsiness/fatigue  
 dizziness/vertigo  
 unconsciousness

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

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## SECTION 11: Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name             | Result                               | Species  | Exposure |
|-------------------------------------|--------------------------------------|--|----------|
| acetone                             | Acute EC50 11493300 µg/l Fresh water | Algae - Navicula seminulum   | 96 hours |
|                                     | Acute EC50 11727900 µg/l Fresh water | Algae - Navicula seminulum   | 96 hours |
|                                     | Acute EC50 7200000 µg/l Fresh water  | Algae - Selenastrum sp.  | 96 hours |
|                                     | Acute EC50 20.565 mg/l Marine water  | Algae - Ulva pertusa   | 96 hours |
|                                     | Acute LC50 4.42589 ml/L Marine water | Crustaceans - Acartia tonsa - Copepodid                                  | 48 hours |
|                                     | Acute LC50 7550000 µg/l Fresh water  | Crustaceans - Asellus aquaticus  | 48 hours |
|                                     | Acute LC50 8098000 µg/l Fresh water  | Crustaceans - Ceriodaphnia dubia - Neonate                               | 48 hours |
|                                     | Acute LC50 11.26487 ml/L Fresh water | Crustaceans - Gammarus pulex - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
|                                     | Acute LC50 6000000 µg/l Fresh water  | Crustaceans - Gammarus pulex   | 48 hours |
|                                     | Acute LC50 7460000 µg/l Fresh water  | Daphnia - Daphnia cucullata  | 48 hours |
|                                     | Acute LC50 7810000 µg/l Fresh water  | Daphnia - Daphnia cucullata  | 48 hours |
|                                     | Acute LC50 10000 µg/l Fresh water    | Daphnia - Daphnia magna  | 48 hours |
|                                     | Acute LC50 9218000 µg/l Fresh water  | Daphnia - Daphnia magna - Neonate  | 48 hours |
|                                     | Acute LC50 8800000 µg/l Fresh water  | Daphnia - Daphnia pulex  | 48 hours |
|                                     | Acute LC50 8000 ppm Fresh water      | Fish - Oncorhynchus mykiss   | 96 hours |
| Acute LC50 7280000 µg/l Fresh water | Fish - Pimephales promelas           | 96 hours   |          |

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## SECTION 12: Ecological information

|                        |                                      |  |          |
|------------------------|--------------------------------------|--|----------|
| propan-2-ol            | Acute LC50 8120000 µg/l Fresh water  | Fish - Pimephales promelas   | 96 hours |
|                        | Acute LC50 6210000 µg/l Fresh water  | Fish - Pimephales promelas   | 96 hours |
|                        | Acute LC50 5600 ppm Fresh water      | Fish - Poecilia reticulata   | 96 hours |
|                        | Chronic NOEC 0.5 ml/L Marine water   | Algae - Karenia brevis   | 96 hours |
|                        | Chronic NOEC 100 ul/L Marine water   | Algae - Skeletonema costatum   | 72 hours |
|                        | Chronic NOEC 100 ul/L Marine water   | Algae - Skeletonema costatum   | 96 hours |
|                        | Chronic NOEC 4.95 mg/l Marine water  | Algae - Ulva pertusa   | 96 hours |
|                        | Chronic NOEC 0.016 ml/L Fresh water  | Crustaceans - Daphniidae   | 21 days  |
|                        | Chronic NOEC 0.1 ml/L Fresh water    | Daphnia - Daphnia magna - Neonate                                      | 21 days  |
|                        | Chronic NOEC 5 µg/l Marine water     | Fish - Gasterosteus aculeatus - Larvae                                 | 42 days  |
| (R)-p-mentha-1,8-diene | Acute EC50 7550 mg/l Fresh water     | Daphnia - Daphnia magna - Neonate                                      | 48 hours |
|                        | Acute LC50 1400000 µg/l Marine water | Crustaceans - Crangon crangon  | 48 hours |
|                        | Acute LC50 4200 mg/l Fresh water     | Fish - Rasbora heteromorpha  | 96 hours |
|                        | Acute EC50 421 µg/l Fresh water      | Daphnia - Daphnia magna  | 48 hours |
|                        | Acute EC50 688 µg/l Fresh water      | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

| Product/ingredient name                 | LogP <sub>ow</sub> | BCF        | Potential |
|---|--------------------|------------|-----------|
| Naphtha (petroleum), hydrotreated light | 2.2 to 5.2         | 10 to 2500 | high      |
| acetone                                 | -0.23              | -          | low       |
| carbon dioxide                          | 0.83               | -          | low       |
| propan-2-ol                             | 0.05               | -          | low       |
| (R)-p-mentha-1,8-diene                  | 4.38               | -          | high      |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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## SECTION 12: Ecological information

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### European waste catalogue (EWC)

| Waste code | Waste designation   |
|------------|---|
| 16 05 04*  | gases in pressure containers (including halons) containing hazardous substances |






#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

| Type of packaging | European waste catalogue (EWC)       |
|-------------------|--------------------------------------|
| 15 01 04 15 01 02 | metallic packaging plastic packaging |

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## SECTION 14: Transport information

|                                 | ADR/RID  | IMDG   | IATA   |
|---------------------------------|--|--|--|
| 14.1 UN number                  | UN1950   | UN1950   | UN1950   |
| 14.2 UN proper shipping name    | AEROSOLS   | AEROSOLS   | Aerosols, flammable  |
| 14.3 Transport hazard class(es) | 2<br>  | 2.1<br>  | 2.1<br> |
| 14.4 Packing group              | -  | -  | -  |
| 14.5 Environmental hazards      | Yes.   | Yes.<br>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Naphtha (petroleum), hydrotreated light   | Yes. The environmentally hazardous substance mark is not required.                           |



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## SECTION 14: Transport information

|  |  |  |  |
|--|--|--|--|
|  | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Naphtha (petroleum), hydrotreated light |  |  |
|--|--|--|--|

### Additional information

- ADR/RID** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Limited quantity** 1 L  
**Special provisions** 190, 327, 625, 344  
**Tunnel code** (D)  
**ADR Classification Code:** 5F
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Emergency schedules** F-D, S-U  
**Special provisions** 63, 190, 277, 327, 344, 381, 959
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.  
**Quantity limitation** Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203.  
**Special provisions** A145, A167, A802

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorization

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

##### Restrictions on Manufacture, Marketing and Use

| Country | Product name    | Conc. | Designation | Usage                             |
|---------|-----------------|-------|-------------|-----------------------------------|
| GB      | Cleaner Spray S | 100   | 28          | Restricted to professional users. |
| GB      | Cleaner Spray S | 100   | 29          | Restricted to professional users. |

##### Other EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

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## SECTION 15: Regulatory information

**Industrial emissions** : Not listed  
(integrated pollution prevention and control) -

**Water**

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Persistent Organic Pollutants**

Not listed.

**Aerosol dispensers** :

3



Extremely flammable

**Detergents - Regulation (EC) No 907/2006**

**Annex VIIA - Labelling for Contents**

| Identification                                   | Concentration                |
|--|------------------------------|
| aliphatic hydrocarbons<br>(R)-p-mentha-1,8-diene | 30% and more<br>less than 5% |

**VOC content** : 97.44 %

**VOC (g/L)** : 681.4

**Seveso Directive**

This product is controlled under the Seveso Directive.

**Danger criteria**

**Category**

P3a  
E2

**National regulations**

| Product/ingredient name | List name           | Name on list           | Classification | Notes |
|-------------------------|---------------------|------------------------|----------------|-------|
| acetone                 | DFG MAC-values list | Acetone                | RE2            | -     |
| ethanol                 | DFG MAC-values list | Ethanol; Ethyl alcohol | K3, M3         | -     |

**Storage class (TRGS 510)** : 2B

**Hazardous incident ordinance**

This product is controlled under the Germany Hazardous Incident Ordinance.

**Danger criteria**

| Category | Reference number |
|----------|------------------|
| P3a      | 1.2.3.1          |
| E2       | 1.3.2            |

**Hazard class for water** : 2

**Technical instruction on air quality control** : TA-Luft Number 5.2.5: 47.6-96%  
TA-Luft Class II - Number 5.2.7.1.1: 25-50%

**International regulations**

## SECTION 15: Regulatory information

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                                |   |
|--------------------------------|---|
| <b>Australia</b>               | : All components are listed or exempted.  |
| <b>Canada</b>                  | : All components are listed or exempted.  |
| <b>China</b>                   | : All components are listed or exempted.  |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory</b> : Not determined.   |
| <b>Japan</b>                   | : <b>Japan inventory (CSCL)</b> : All components are listed or exempted.<br><b>Japan inventory (ISHL)</b> : Not determined. |
| <b>New Zealand</b>             | : Not determined.   |
| <b>Philippines</b>             | : Not determined.   |
| <b>Republic of Korea</b>       | : Not determined.   |
| <b>Taiwan</b>                  | : Not determined.   |
| <b>Thailand</b>                | : Not determined.   |
| <b>Turkey</b>                  | : All components are listed or exempted.  |
| <b>United States</b>           | : Not determined.   |
| <b>Viet Nam</b>                | : Not determined.   |

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

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## SECTION 16: Other information

| Classification   | Justification   |
|--|---|
| Aerosol 1, H222, H229<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### Full text of abbreviated H statements

|                    |  |
|--------------------|--|
| H220<br>H222, H229 | Extremely flammable gas.<br>Extremely flammable aerosol. Pressurized container: may burst if heated. |
| H225               | Highly flammable liquid and vapor.   |
| H226               | Flammable liquid and vapor.  |
| H280               | Contains gas under pressure; may explode if heated.  |
| H304               | May be fatal if swallowed and enters airways.  |
| H315               | Causes skin irritation.  |
| H317               | May cause an allergic skin reaction.   |
| H319               | Causes serious eye irritation.   |
| H336               | May cause drowsiness or dizziness.   |
| H400               | Very toxic to aquatic life.  |
| H411               | Toxic to aquatic life with long lasting effects.   |
| H412               | Harmful to aquatic life with long lasting effects.   |
| EUH066             | Repeated exposure may cause skin dryness or cracking.  |

### Full text of classifications [CLP/GHS]

|                    |   |
|--------------------|---|
| Aerosol 1          | AEROSOLS - Category 1   |
| Aquatic Acute 1    | AQUATIC HAZARD (ACUTE) - Category 1                           |
| Aquatic Chronic 2  | AQUATIC HAZARD (LONG-TERM) - Category 2                       |
| Aquatic Chronic 3  | AQUATIC HAZARD (LONG-TERM) - Category 3                       |
| Asp. Tox. 1        | ASPIRATION HAZARD - Category 1                                |
| Eye Irrit. 2       | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2               |
| Flam. Gas 1A       | FLAMMABLE GASES - Category 1A                                 |
| Flam. Liq. 2       | FLAMMABLE LIQUIDS - Category 2                                |
| Flam. Liq. 3       | FLAMMABLE LIQUIDS - Category 3                                |
| Press. Gas (Comp.) | GASES UNDER PRESSURE - Compressed gas                         |
| Skin Irrit. 2      | SKIN CORROSION/IRRITATION - Category 2                        |
| Skin Sens. 1B      | SKIN SENSITIZATION - Category 1B                              |
| STOT SE 3          | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3 |

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