

# SAFETY DATA SHEET



Stainless Steel Care Spray

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

### 1.1 Product identifier

**Product name** : Stainless Steel Care Spray  
**UFI** : R9S1-408Q-100W-U988  
**Product code** : 115900  
**Color** : Colorless.  
**Product description** : Aerosol product-Surface treatment products  
**Product type** : Aerosol.  
**Other means of identification** : Not available.

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

#### Identified uses

Aerosol product-Surface treatment products

#### Uses advised against

Not applicable.

### 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,  
email: info@weicon.de,  
URL: www.weicon.de

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

### 1.4 Emergency telephone number

#### National advisory body/Poison Center

**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 3, H412

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

## SECTION 2: Hazards identification

**Ingredients of unknown toxicity** : 35.2 percent of the mixture consists of component(s) of unknown acute oral toxicity  
35.2 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
35.2 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

**Ingredients of unknown ecotoxicity** : Contains 35.2% of components with unknown hazards to the aquatic environment

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

**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.  
H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements

**General** : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.

**Prevention** : 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 dust or mist.  
P264 - Wash hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves. Wear eye or face protection.

**Response** : 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** : Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane and Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

**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.

### Special packaging requirements

Stainless Steel Care Spray

## SECTION 2: Hazards identification

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : 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** : None known.

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
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	REACH #: 01-2119475514-35 EC: 921-024-6	≥10 - <25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	-	[1]
ethanol	EC: 200-578-6 CAS: 64-17-5	≥10 - ≤25	Flam. Liq. 2, H225 Eye Irrit. 2, H319	Eye Irrit. 2, H319: C ≥ 50%	[1] [2]
butane	REACH #: 01-2119474691-32 EC: 203-448-7 CAS: 106-97-8 Index: 601-004-00-0	≥10 - ≤25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	-	[1] [2]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33 EC: 919-857-5 CAS: 64742-48-9	≥10 - <20	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	-	[1]
3-butoxypropan-2-ol	REACH #: 01-2119475527-28 EC: 225-878-4 CAS: 5131-66-8 Index: 603-052-00-8	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
propane	REACH #: 01-2119486944-21 EC: 200-827-9 CAS: 74-98-6 Index: 601-003-00-5	≥10 - ≤25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	-	[1] [2]
White mineral oil (petroleum)	EC: 232-455-8 CAS: 8042-47-5	≥5 - ≤10	Not classified.	-	[2]
Isobutane	REACH #: 01-2119485395-27 EC: 200-857-2 CAS: 75-28-5	≥1 - ≤3	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	-	[1] [2]

### SECTION 3: Composition/information on ingredients

(R)-p-mentha-1,8-diene	Index: 601-004-00-0 REACH #: 01-2119529223-47 EC: 227-813-5 CAS: 5989-27-5 Index: 601-096-00-2	≥0.3 - <1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M [Acute] = 1	[1] [2]
Isopropyl alcohol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	≥0.3 - <1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336  <b>See Section 16 for the full text of the H statements declared above.</b>	-	[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

[1] Substance classified with a physical, 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

## SECTION 4: First aid measures

### 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 harmful 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.

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

### 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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 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

## SECTION 7: Handling and storage

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	150 tonnes	500 tonnes

### 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
ethanol	<p><b>DFG MAC-values list (Germany, 7/2024)</b> Carc 5, Muta 5, Develop C.                      TWA 8 hours: 200 ppm.                      PEAK 15 minutes: 800 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 380 mg/m<sup>3</sup>.                      PEAK 15 minutes: 1520 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      TWA 8 hours: 380 mg/m<sup>3</sup>.                      PEAK 15 minutes: 1520 mg/m<sup>3</sup>.                      TWA 8 hours: 200 ppm.                      PEAK 15 minutes: 800 ppm.</p>
butane	<p><b>DFG MAC-values list (Germany, 7/2024) [Butane]</b> Develop D.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 2400 mg/m<sup>3</sup>.                      PEAK 15 minutes: 9600 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      TWA 8 hours: 2400 mg/m<sup>3</sup>.                      PEAK 15 minutes: 9600 mg/m<sup>3</sup>.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm.</p>
propane	<p><b>DFG MAC-values list (Germany, 7/2024)</b> Develop D.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 1800 mg/m<sup>3</sup>.                      PEAK 15 minutes: 7200 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      TWA 8 hours: 1800 mg/m<sup>3</sup>.                      PEAK 15 minutes: 7200 mg/m<sup>3</sup>.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm.</p>
White mineral oil (petroleum)	<p><b>DFG MAC-values list (Germany, 7/2024)</b> Develop C.                      PEAK 15 minutes: 20 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].                      Form: respirable fraction.</p>

## SECTION 8: Exposure controls/personal protection

<p>Isobutane</p>	<p>TWA 8 hours: 5 mg/m<sup>3</sup>. Form: respirable fraction.  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      PEAK 15 minutes: 20 mg/m<sup>3</sup>. Form: alveolar fraction.                      TWA 8 hours: 5 mg/m<sup>3</sup>. Form: alveolar fraction.  <b>DFG MAC-values list (Germany, 7/2024) [Butane]</b> Develop D.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 2400 mg/m<sup>3</sup>.                      PEAK 15 minutes: 9600 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      TWA 8 hours: 2400 mg/m<sup>3</sup>.                      PEAK 15 minutes: 9600 mg/m<sup>3</sup>.                      TWA 8 hours: 1000 ppm.                      PEAK 15 minutes: 4000 ppm.</p>
<p>(R)-p-mentha-1,8-diene</p>	<p><b>DFG MAC-values list (Germany, 7/2024)</b> Develop C. Absorbed through skin , Skin sensitizer.                      TWA 8 hours: 5 ppm.                      PEAK 15 minutes: 20 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 28 mg/m<sup>3</sup>.                      PEAK 15 minutes: 112 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b> Absorbed through skin , Skin sensitizer.                      PEAK 15 minutes: 20 ppm.                      PEAK 15 minutes: 112 mg/m<sup>3</sup>.                      TWA 8 hours: 5 ppm.                      TWA 8 hours: 28 mg/m<sup>3</sup>.</p>
<p>Isopropyl alcohol</p>	<p><b>DFG MAC-values list (Germany, 7/2024)</b> Develop C.                      TWA 8 hours: 200 ppm.                      PEAK 15 minutes: 400 ppm 4 times per shift [Interval: 1 hour].                      TWA 8 hours: 500 mg/m<sup>3</sup>.                      PEAK 15 minutes: 1000 mg/m<sup>3</sup> 4 times per shift [Interval: 1 hour].  <b>TRGS 900 OEL (Germany, 3/2025)</b>                      TWA 8 hours: 500 mg/m<sup>3</sup>.                      PEAK 15 minutes: 1000 mg/m<sup>3</sup>.                      TWA 8 hours: 200 ppm.                      PEAK 15 minutes: 400 ppm.</p>

### Biological exposure indices

Product/ingredient name	Exposure indices
<p>Isopropyl alcohol</p>	<p><b>DFG BEI-values list (Germany, 7/2024)</b>                      BEI: 25 mg/l, acetone [in blood]. Sampling time: end of exposure or end of shift.                      BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift.  <b>TRGS 903 - BEI Values (Germany, 10/2024)</b>                      BEI: 25 mg/l, acetone [in whole blood]. Sampling time: end of exposure or end of shift.                      BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift.</p>

**Recommended monitoring procedures** : 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

## SECTION 8: Exposure controls/personal protection

### Product/ingredient name

ethanol

### Result

**DNEL - General population - Long term - Oral**

87 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

114 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

206 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

343 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

380 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

950 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

1900 mg/m<sup>3</sup>

Effects: Local

3-butoxypropan-2-ol

**DNEL - General population - Long term - Oral**

12.5 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

22 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

43 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

52 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

147 mg/m<sup>3</sup>

Effects: Systemic

(R)-p-mentha-1,8-diene

**DNEL - General population - Long term - Oral**

4.8 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

4.8 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

9.5 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

16.6 mg/m<sup>3</sup>

## SECTION 8: Exposure controls/personal protection

Effects: Systemic

### **DNEL - Workers - Long term - Inhalation**

66.7 mg/m<sup>3</sup>

Effects: Systemic

Isopropyl alcohol

### **DNEL - General population - Long term - Oral**

26 mg/kg bw/day

Effects: Systemic

### **DNEL - General population - Short term - Oral**

51 mg/kg bw/day

Effects: Systemic

### **DNEL - General population - Long term - Inhalation**

89 mg/m<sup>3</sup>

Effects: Systemic

### **DNEL - General population - Short term - Inhalation**

178 mg/m<sup>3</sup>

Effects: Systemic

### **DNEL - General population - Long term - Dermal**

319 mg/kg bw/day

Effects: Systemic

### **DNEL - Workers - Long term - Inhalation**

500 mg/m<sup>3</sup>

Effects: Systemic

### **DNEL - Workers - Long term - Dermal**

888 mg/kg bw/day

Effects: Systemic

### **DNEL - Workers - Short term - Inhalation**

1000 mg/m<sup>3</sup>

Effects: Systemic

### PNECs

Not 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.

#### **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

## SECTION 8: Exposure controls/personal 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); Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III 4 - 8 hours (breakthrough time); Protective gloves made of Viton®/ butyl rubber (material thickness of 0,7 mm); EN388 Cat.II / EN374 Cat.III / EN374-2
- 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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Gas. [Aerosol.]
- Color** : Colorless.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- Melting point/freezing point** : Not applicable.
- Boiling point or initial boiling point and boiling range** : -44.5°C (-48.1°F)
- Flammability** : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.  
Flammable in the presence of the following materials or conditions: shocks and mechanical impacts.
- Lower and upper explosion limit** : Lower: 0.6%  
Upper: 15%
- Flash point** : Closed cup: -97°C (-142.6°F)
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- pH** : No results available.
- Viscosity** : Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C): Not available.
- Solubility** :

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## SECTION 9: Physical and chemical properties

Not available.

<b>Solubility in water</b>	: Not available.
<b>Partition coefficient n-octanol/ water (log Pow)</b>	: Not applicable.
<b>Vapor pressure</b>	: 466.6 kPa (3500 mm Hg) [room temperature] 799.9 kPa (6000 mm Hg) [50°C (122°F)]
<b>Relative density</b>	: Not applicable.
<b>Density</b>	: 0.695 g/cm <sup>3</sup> [20°C (68°F)]
<b>Relative vapor density</b>	: Not available.
<b>Particle characteristics</b>	
<b>Median particle size</b>	: Not applicable.

### 9.2 Other information

#### 9.2.1 Information with regard to physical hazard classes

<b>Heat of combustion</b>	: 16.79 kJ/g
<b>Explosive properties</b>	: Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. Explosive in the presence of the following materials or conditions: shocks and mechanical impacts.
<b>Oxidizing properties</b>	: Not available.

#### Aerosol product

**Type of aerosol** : Spray

#### 9.2.2 Other safety characteristics

**Miscible with water** : Yes.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame).
<b>10.5 Incompatible materials</b>	: No specific data.
<b>10.6 Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

#### Acute toxicity

<b>Product/ingredient name</b>	<b>Result</b>
ethanol	<b>Rat - Oral - LD50</b> 7 g/kg
	<b>Rat - Inhalation - LC50 Vapor</b> 124700 mg/m <sup>3</sup> [4 hours]
butane	<b>Rat - Inhalation - LC50 Vapor</b> 658000 mg/m <sup>3</sup> [4 hours]

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## SECTION 11: Toxicological information

3-butoxypropan-2-ol	<b>Rabbit - Dermal - LD50</b> 3100 mg/kg
Isobutane	<b>Rat - Inhalation - LC50 Vapor</b> 658000 mg/m <sup>3</sup> [4 hours]
(R)-p-mentha-1,8-diene	<b>Rat - Oral - LD50</b> 4400 mg/kg <u>Toxic effects:</u> Behavioral - Changes in motor activity (specific assay) Lung, Thorax, or Respiration - Respiratory depression Other - Hair
	<b>Rabbit - Dermal - LD50</b> >5000 mg/kg
Isopropyl alcohol	<b>Rabbit - Dermal - LD50</b> 12800 mg/kg  <b>Rat - Oral - LD50</b> 5000 mg/kg <u>Toxic effects:</u> Behavioral - General anesthetic

**Conclusion/Summary [Product]** : Not available.

### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
ethanol	7000	N/A	N/A	124.7	N/A
butane	N/A	N/A	N/A	658	N/A
3-butoxypropan-2-ol	N/A	3100	N/A	N/A	N/A
Isobutane	N/A	N/A	N/A	658	N/A
(R)-p-mentha-1,8-diene	4400	N/A	N/A	N/A	N/A
Isopropyl alcohol	5000	12800	N/A	N/A	N/A

### Skin corrosion/irritation

#### Product/ingredient name

ethanol

#### Result

**Rabbit - Skin - Mild irritant**

Amount/concentration applied: 400 mg

**Rabbit - Skin - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

(R)-p-mentha-1,8-diene

**Rabbit - Skin - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 10 %

**Mouse - Skin - Severe irritant**

Duration of treatment/exposure: 168 hours

Amount/concentration applied: 700 mg l

Isopropyl alcohol

**Rabbit - Skin - Mild irritant**

Amount/concentration applied: 500 mg

**Conclusion/Summary [Product]** : Not available.

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## SECTION 11: Toxicological information

### Serious eye damage/eye irritation

#### Product/ingredient name

ethanol

#### Result

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

##### **Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 0.066666667 minutes

Amount/concentration applied: 100 mg

##### **Rabbit - Eyes - Moderate irritant**

Amount/concentration applied: 100 uL

##### **Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 500 mg

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 1 hours

Amount/concentration applied: 50 pph

Isopropyl alcohol

##### **Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

##### **Rabbit - Eyes - Moderate irritant**

Amount/concentration applied: 10 mg

##### **Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 100 mg

**Conclusion/Summary [Product]** : Not available.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : Not available.

### Respiratory or skin sensitization

Not available.

### Skin

**Conclusion/Summary [Product]** : Not available.

### Respiratory

**Conclusion/Summary [Product]** : Not available.

### Germ cell mutagenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Carcinogenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

## SECTION 11: Toxicological information

### Reproductive toxicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Specific target organ toxicity (single exposure)

<b>Product/ingredient name</b>	<b>Result</b>
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	STOT SE 3, H336 (Narcotic effects)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	STOT SE 3, H336 (Narcotic effects)
Isopropyl alcohol	STOT SE 3, H336 (Narcotic effects)

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

<b>Product/ingredient name</b>	<b>Result</b>
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	ASPIRATION HAZARD - Category 1
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	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

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

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

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

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

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Long term exposure

## SECTION 11: Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : 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.

**Reproductive toxicity** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product/ingredient name

ethanol

#### Result

##### Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*  
42 mg/l [4 days]

Effect: Mortality

##### Acute - EC50 - Marine water

Algae - Green algae - *Ulva pertusa*  
17.921 mg/l [96 hours]

Effect: Reproduction

##### Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*  
4.995 mg/l [96 hours]

Effect: Reproduction

##### Chronic - NOEC - Fresh water

Fish - Eastern mosquitofish - *Gambusia holbrooki* - Larvae  
Age: 3 days

0.375 µl/l [12 weeks]

Effect: Morphology

##### Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate  
Age: <24 hours

100 µl/l [21 days]

Effect: Mortality

##### Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*  
2 mg/l [48 hours]

Effect: Intoxication

(R)-p-mentha-1,8-diene

##### Acute - EC50 - Fresh water

ASTM

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## SECTION 12: Ecological information

Fish - Fathead minnow - *Pimephales promelas* - Juvenile (Fledgling, Hatchling, Weanling)

Age: 34 days; Size: 19.1 mm; Weight: 0.085 g

688 µg/l [96 hours]

Effect: Behavior

### Acute - EC50 - Fresh water

ASTM

Daphnia - Water flea - *Daphnia magna*

Age: <24 hours

421 µg/l [48 hours]

Effect: Intoxication

Isopropyl alcohol

### Acute - LC50 - Marine water

Crustaceans - Common shrimp, sand shrimp - *Crangon crangon*

1400 mg/l [48 hours]

Effect: Mortality

### Acute - LC50 - Fresh water

Fish - Harlequinfish, red rasbora - *Rasbora heteromorpha*

Size: 1 to 3 cm

4200 mg/l [96 hours]

Effect: Mortality

**Conclusion/Summary [Product]** : Not available.

### 12.2 Persistence and degradability

Not available.

**Conclusion/Summary [Product]** : Not available.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
ethanol	-0.35	-	Low
butane	1.09	-	Low
3-butoxypropan-2-ol	1.2	-	Low
propane	1.09	-	Low
Isobutane	1.09	-	Low
(R)-p-mentha-1,8-diene	4.38	-	High
Isopropyl alcohol	0.05	-	Low

### 12.4 Mobility in soil

#### Soil/Water partition coefficient

Product/ingredient name	logK <sub>oc</sub>	K <sub>oc</sub>
ethanol	0.2	1.59008
butane	1.4	22.8012
3-butoxypropan-2-ol	1.5	28.6002
propane	0.94	8.6207
Isobutane	1.3	17.8833
(R)-p-mentha-1,8-diene	3.4	2297
Isopropyl alcohol	0.54	3.4364

#### Results of PMT and vPvM assessment

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## SECTION 12: Ecological information

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	No	No	No	No	No	No	No
ethanol	No	No	No	No	No	No	No
butane	No	No	No	No	No	No	No
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	No	No	No	No	No	No	No
3-butoxypropan-2-ol	No	No	No	No	No	No	No
propane	No	No	No	No	No	No	No
Isobutane	No	No	No	No	No	No	No
(R)-p-mentha-1,8-diene	No	No	No	No	No	No	No
Isopropyl alcohol	No	No	No	No	No	No	No

**Mobility** : Not available.

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

### 12.5 Results of PBT and vPvB assessment

#### Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	No	N/A	N/A	No	N/A	N/A	N/A
ethanol	No	N/A	N/A	No	N/A	N/A	N/A
butane	No	N/A	N/A	No	N/A	N/A	N/A
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	No	N/A	N/A	No	N/A	N/A	N/A
3-butoxypropan-2-ol	No	N/A	N/A	No	N/A	N/A	N/A
propane	No	N/A	N/A	No	N/A	N/A	N/A
Isobutane	No	N/A	N/A	No	N/A	N/A	N/A
(R)-p-mentha-1,8-diene	No	N/A	N/A	No	N/A	N/A	N/A
Isopropyl alcohol	No	N/A	N/A	No	N/A	N/A	N/A

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

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	No	No	No	No	No	No	No
ethanol	No	No	No	No	No	No	No
butane	No	No	No	No	No	No	No
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	No	No	No	No	No	No	No
3-butoxypropan-2-ol	No	No	No	No	No	No	No
propane	No	No	No	No	No	No	No
Isobutane	No	No	No	No	No	No	No
(R)-p-mentha-1,8-diene	No	No	No	No	No	No	No
Isopropyl alcohol	No	No	No	No	No	No	No

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PBT or vPvB.

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

### 12.6 Endocrine disrupting properties

Not available.

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## SECTION 12: Ecological information

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 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** : Yes.

#### 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)
Can	15 01 10* packaging containing residues of or contaminated by hazardous substances

**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	ADN	IMDG	IATA
<b>14.1 UN number or ID number</b>	UN1950	UN1950	UN1950	UN1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	AEROSOLS	AEROSOLS	Aerosols, flammable
<b>14.3 Transport hazard class(es)</b>	2 	2 	2.1  	2.1 
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	No.	No.	Yes.	No.

#### Additional information

## SECTION 14: Transport information

- ADR/RID** : **Limited quantity** 1 L  
**Special provisions** 190, 327, 625, 344  
**Tunnel code** (D)  
**ADR Classification Code:** 5F
- ADN** : **Special provisions** 190, 327, 625, 344
- 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 Maritime 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 above the relevant limit.

###### Substances of very high concern

None of the components are listed above the relevant limit.

##### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
propane	≥10 - ≤25	40

**Labeling** : Not applicable.

##### Synthetic polymer microparticles - Designation 78

**Generic identity of polymer(s)** : Not applicable.

**Total percentage of synthetic polymer microparticles** : Not applicable.

##### Other EU regulations

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

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

**Explosive precursors** : Not applicable.

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## SECTION 15: Regulatory information

### Ozone depleting substances (EU 2024/590)

Not listed.

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

Not listed.

### Persistent Organic Pollutants

Not listed.

**Aerosol dispensers** :

3



Extremely flammable

### Seveso Directive

This product is controlled under the Seveso Directive.

### Danger criteria

Category
P3a

### Annex VIIA - Labelling for Contents

#### **Identification**

aliphatic hydrocarbons  
perfumes  
(R)-p-mentha-1,8-diene

#### **Concentration**

30% and more  
less than 5%  
less than 5%

**VOC content** : 95,21 %

**VOC (g/L)** : 661.7

### National regulations

Product/ingredient name	List name	Name on list	Classification	Notes
ethanol	DFG MAC-values list	-	Carc 5, Muta 5, Develop C	-
butane	DFG MAC-values list	Butane	Develop D	-
propane	DFG MAC-values list	-	Develop D	-
White mineral oil (petroleum)	DFG MAC-values list	-	Develop C	-
isobutane	DFG MAC-values list	Butane	Develop D	-
(R)-p-mentha-1,8-diene	DFG MAC-values list	-	Develop C	-
propan-2-ol	DFG MAC-values list	-	Develop C	-

**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

**Hazard class for water** : 2

**Technical instruction on air quality control (TA Luft)**

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## SECTION 15: Regulatory information

Number [Class]	Description	%
5.2.5	Organic substances	149.4
5.2.5 [I]	Organic substances	61.7

### International regulations

#### 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>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Eurasian Economic Union</b>	: <b>Russian Federation inventory</b> : Not determined.
<b>Japan</b>	: <b>Japan inventory (CSCL)</b> : Not determined. <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>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

**15.2 Chemical Safety Assessment** : Complete.

## SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

<b>Abbreviations and acronyms</b>	: ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate B = Bioaccumulative BCF = Bioconcentration Factor 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 IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods IMO = International Maritime Organization M = Mobile
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## SECTION 16: Other information

N/A = Not available  
 P = Persistent  
 PBT = Persistent, Bioaccumulative and Toxic  
 PMT = Persistent, Mobile and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 T = Toxic  
 vB = Very Bioaccumulative  
 vM = Very Mobile  
 vP = Very Persistent  
 vPvB = Very Persistent and Very Bioaccumulative  
 vPvM = Very Persistent and Very Mobile

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

Classification	Justification
Aerosol 1, H222, H229 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Chronic 3, H412	On basis of test data Calculation method Calculation method Calculation method Calculation method

### Full text of abbreviated H statements

H220	Extremely flammable gas.
H222, H229	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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**Notice to reader**

*Stainless Steel Care Spray*

## **SECTION 16: Other information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.