

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 02.02.2024

Version number 7 (replaces version 6)



Revision: 02.02.2024

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

- **1.1 Product identifier**
- **Trade name:** **POLO BikeCare SILICONE SPRAY**
- **Article number:** 55120000670
- **UFI:** 31JF-U5CA-J00T-4VDR
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Lubricant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
POLO Motorrad und Sportswear GmbH  
Polostr. 1  
41363 Jüchen
  
- Tel: 02165 84 40 200  
· Fax: 01265 84 40 450  
· E-Mail: [info@polo-motorrad.com](mailto:info@polo-motorrad.com)
- **Further information obtainable from:**  
Safety Department  
[sicherheit@dr-stoecker.de](mailto:sicherheit@dr-stoecker.de)
- **1.4 Emergency telephone number:**  
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
GHS02 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
propan-2-ol
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

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EU



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H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P501 Dispose of contents/container according to the official regulations.

**Additional information:**

EUH208 Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥25-≤50%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥25-≤50%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥10-<20%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥10-<20%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥2.5-≤10%

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CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	$\geq 0 - < 10\%$
EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	$\geq 2.5 - \leq 10\%$
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-096-00-2 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	$\geq 0.1 - < 0.25\%$

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

##### · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

##### · After eye contact: Rinse opened eye for several minutes under running water.

##### · After swallowing: Do not induce vomiting; call for medical help immediately.

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

Dizziness

Dizziness

Nausea

Headache

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

##### · Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### · For safety reasons unsuitable extinguishing agents: Water with full jet

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

Formation of toxic gases is possible during heating or in case of fire.

#### · 5.3 Advice for firefighters

##### · Protective equipment: Wear self-contained respiratory protective device.

##### · Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to enter sewers/ surface or ground water.

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Fumes can combine with air to form an explosive mixture.

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect from frost.

Do not seal receptacle gas tight.

Protect from heat and direct sunlight.

· **Storage class:** 2 B

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Oral	Long term - systemic effects, general population	149 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	300 mg/kg bw/day (worker)
	Long term - systemic effects, general population	149 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	2,085 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	447 mg/m <sup>3</sup> (general population)

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<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>		
Oral	Long term - systemic effects, general population	699 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	773 mg/kg bw/day (worker)
	Long term - systemic effects, general population	699 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	2,035 mg/m3 (worker)
	Long term - systemic effects, general population	608 mg/m3 (general population)
<b>67-63-0 propan-2-ol</b>		
Oral	Long term - systemic effects, general population	26 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	888 mg/kg bw/day (worker)
	Long term - systemic effects, general population	319 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	500 mg/m3 (worker)
	Long term - systemic effects, general population	89 mg/m3 (general population)
<b>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>		
Oral	Long term - systemic effects, general population	46 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	77 mg/kg bw/day (worker)
	Long term - systemic effects, general population	46 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	871 mg/m3 (worker)
	Long term - systemic effects, general population	185 mg/m3 (general population)

**· PNECs**
**67-63-0 propan-2-ol**

Aquatic compartment - freshwater	140.9 mg/l (Sweet Water / Süßwasser)
Aquatic compartment - marine water	140.9 mg/l (marine water)
Aquatic compartment - water, intermittent releases	140.9 mg/l (intermittent release water)
Aquatic compartment - sediment in freshwater	552 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	552 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	28 mg/kg dw (soil)
sewage treatment plant	2,251 mg/l (sewage treatment plant)
Oral secondary poisoning	160 mg/kg food (food sec poisoning)

 · **Additional information:** The lists valid during the making were used as basis.

**· 8.2 Exposure controls**

 · **Appropriate engineering controls** No further data; see section 7.

 · **Individual protection measures, such as personal protective equipment**

 · **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

 · **Respiratory protection:**

Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

 · **Hand protection** Protective gloves

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**Material of gloves**

Butyl rubber

Recommended material thickness:  $\geq 0.3\text{mm}$ 

Nitrile rubber

Recommended material thickness:  $\geq 0.3\text{mm}$ 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Tightly sealed goggles**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Physical state**

Aerosol

**Colour:**

Colourless

**Odour:**

Fruit-like

**Odour threshold:**

No further relevant information available.

**Melting point/freezing point:**

No further relevant information available.

**Boiling point or initial boiling point and boiling range**

-40 °C

**Flammability**

No further relevant information available.

**Lower and upper explosion limit****Lower:**

1 Vol %

**Upper:**

15 Vol %

**Flash point:**

-80 °C

**Auto-ignition temperature:**

No further relevant information available.

**Decomposition temperature:**

No further relevant information available.

**pH**

Not applicable.

**Viscosity:****Kinematic viscosity**

No further relevant information available.

**Kinematic viscosity**

No further relevant information available.

**Dynamic:**

No further relevant information available.

Not determined.

**Solubility****water:**

Not miscible or difficult to mix.

**Partition coefficient n-octanol/water (log value)**

Does not apply to mixtures.

**Vapour pressure:**

No further relevant information available.

**Density and/or relative density****Density at 20 °C:**0.7475 g/cm<sup>3</sup> (DIN 51757)**Relative density**

No further relevant information available.

**Vapour density**

No further relevant information available.

**9.2 Other information****Appearance:****Form:**

Aerosol

**Ignition temperature:**

Product is not selfigniting.

**Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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- **Molecular formula**
- **Oxidising properties** No further relevant information available.
- **Evaporation rate** No further relevant information available.
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Extremely flammable aerosol. Pressurised container:  
May burst if heated.
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Protect from heat and direct sunlight.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**106-97-8 butane, pure**

Inhalative	LC50/4 h	658,000 mg/l (rat)
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**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Oral	LD50	5,500 mg/kg (rat)
Dermal	LD50	2,800-3,100 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 mg/l (rat)

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

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,800-3,100 mg/kg (rat)

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Inhalative	LC50/4 h	>25 mg/l (rat)
<b>67-63-0 propan-2-ol</b>		
Oral	LD50	5,840 mg/kg (rat) (OECD 401)
Dermal	LD50	13,900 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>25 mg/l (rat) (OECD 403)
<b>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>		
Oral	LD50	>15,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4 h	4,951 mg/l (rat)
<b>5989-27-5 (R)-p-mentha-1,8-diene</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
<b>Specific symptoms in biological assay:</b>		
<b>67-63-0 propan-2-ol</b>		
Oral	Subakut NOAEL	900 mg/kg (rat) (OECD 408) 90 d

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

<b>75-28-5 isobutane</b>	
LC50/96 h	49.9 mg/l (fish)
EC50/96 h	19.37 mg/l (algae)
<b>106-97-8 butane, pure</b>	
EC10/5 h	658 mg/l (rat)
LC50/96 h	27.98 mg/l (fish)
EC50/96 h	7.71 mg/l (algae)
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b>	
NOEC 28 d	mg/l (Oncorhynchus mykiss) (CONCAWE, Brussels, Belgium (2010))
NOEC 21 d	1 mg/l (Daphnia magna) (SIDS Initial Assessment Report for SIAM)
LC50/96 h	>1-10 mg/l (Oncorhynchus mykiss)
EC50/48 h	>1-10 mg/l (Daphnia magna)

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EC50/72 h	12 mg/l ( <i>Pseudokrichneriella subcapitata</i> ) (SIDS Initial Assessment Report for SIAM)
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	
NOEC 28 d	2.045 mg/l ( <i>Oncorhynchus mykiss</i> ) (CONCAWE, Brussels, Belgium (2010))
NOEC 21 d	1 mg/l ( <i>Daphnia magna</i> ) (SIDS Initial Assessment Report for SIAM)
ErC50/72 h	10-30 mg/l ( <i>Pseudokrichneriella subcapitata</i> )
LC50/96 h	>1-10 mg/l ( <i>Pimephlas promelas</i> )
EC50/48 h	>1-10 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	10-30 mg/l ( <i>Pseudokrichneriella subcapitata</i> )
<b>74-98-6 propane</b>	
LC50/96 h	27.98 mg/l (fish)
EC50/96 h	7.71 mg/l (algae)
<b>67-63-0 propan-2-ol</b>	
LC50/48 h	>100 mg/l ( <i>Leuciscus idus</i> )
EC50	>100 mg/l (Bacteria)
EC50/48 h	>100 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>100 mg/l ( <i>Scenedesmus subspicatus</i> )
<b>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
NOEC 28 d	0.182 mg/l ( <i>Oncorhynchus mykiss</i> ) (CONCAWE, Brussels, Belgium (2010))
NOEC 21 d	0.317 mg/l ( <i>Daphnia magna</i> )
ErC50/72 h	>1,000 mg/l ( <i>Pseudokrichneriella subcapitata</i> )
LC50/96 h	>1,000 mg/l ( <i>Oncorhynchus mykiss</i> )
EC50/48 h	>1,000 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>1,000 mg/l ( <i>Pseudokrichneriella subcapitata</i> )

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **European waste catalogue**

16 05 04*	gases in pressure containers (including halons) containing hazardous substances
15 01 04	metallic packaging

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN number or ID number** UN1950
- **ADR, IMDG, IATA**
- **14.2 UN proper shipping name** AEROSOLS
- **ADR, IMDG** AEROSOLS, flammable
- **IATA**
- **14.3 Transport hazard class(es)**
- **ADR**



- **Class** 2.5F Gases.
- **Label** 2.1

· **IMDG, IATA**



- **Class** 2.1 Gases.
- **Label** 2.1
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Product contains environmentally hazardous substances: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
- **14.6 Special precautions for user** Warning: Gases.
- **Hazard identification number (Kemler code):** -
- **EMS Number:** F-D,S-U
- **Stowage Code** SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
SG69 For AEROSOLS with a maximum capacity of 1 litre:  
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
For AEROSOLS with a capacity above 1 litre:  
Segregation as for the appropriate subdivision of class 2.  
For WASTE AEROSOLS:  
Segregation as for the appropriate subdivision of class 2.
- **Segregation Code**

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according to 1907/2006/EC, Article 31

Printing date 02.02.2024

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- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:**

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- **ADR**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity
- **Transport category** 2
- **Tunnel restriction code** D

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- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
P3a FLAMMABLE AEROSOLS  
E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind zu beachten.

ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind zu beachten.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

#### · **Relevant phrases**

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- 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.

#### · **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

#### · **Department issuing SDS:** Department R&D

· **Contact:** Department R&D

· **Date of previous version:** 22.01.2021

· **Version number of previous version:** 6

#### · **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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- **Sources**  
(EC) No 1907/2006 (REACH) as amended.  
(EC) No. 1272/2008 (CLP) in the valid version  
Guidance on the compilation of safety data sheets as amended (ECHA)  
Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)  
Safety data sheets of the ingredients  
ECHA homepage - Information on chemicals
- \* **Data compared to the previous version altered.**

EU