

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 09.11.2017

Version number 1801

Revision: 09.11.2017

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

#### 1.1 Product identifier

Trade name: **T1 Spray**  
 Article number: 5140-0969

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

Application of the substance / the mixture: No further relevant information available.  
 Milling additive

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

Manufacturer/Supplier: SIRONA Dental Systems GmbH  
 Fabrikstraße 31  
 D-64625 Bensheim  
 Germany  
<http://www.sirona.de>  
 Tel.: +49 (0) 6251/16-1670  
 Fax: +49 (0) 6251/16-1818

Manufacturer: Graichen Produktions-und Vertriebs-GmbH  
 Darmstädterstraße 127-129  
 D-64625 Bensheim  
 Germany  
 Tel.: +49 6251 73103  
 Fax: +49 6251 77901  
 E-Mail: [ehs@graichen-bensheim.de](mailto:ehs@graichen-bensheim.de)  
[www.graichen.net](http://www.graichen.net)

Further information obtainable from: Environment protection department

#### 1.4 Emergency telephone number:

Advice centre for poisoning university Mainz phone +49(0)6131/19240  
 or poison information:+49(0)700/GIFTINFO

### 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

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

Naphta (Petroleum) hydrotreated light (Hydrocarbons, C7, n-Alkanes, Cyclics)  
 Hydrocarbons, C6, Isoalkanes, <5% n-Hexane  
 Naphta (petroleum), hydrotreated light (Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cycloalkanes, <5% n-Hexane)  
 Naphta (petroleum) hydrotreated light (Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% Hexane)

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H304 May be fatal if swallowed and enters airways.  
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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/fume/gas/mist/vapours/spray.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P331 Do NOT induce vomiting.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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. vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

. Description: Active substance with propellant

. Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane (containing $\leq 0,1$ % butadiene (106-99-0)) ⚠ Flam. Gas 1, H220; Press. Gas C, H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-25%
EC number: 927-510-4	Naphta (Petroleum) hydrotreated light (Hydrocarbons, C7, n-Alkanes, Cyclics) ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	2.5-10%
EC number: 931-254-9	Hydrocarbons, C6, Isoalkanes, <5% n-Hexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	2.5-10%
EC number: 921-024-6	Naphta (petroleum), hydrotreated light (Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cycloalkanes, <5% n-Hexane) ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	2.5-10%
EC number: 926-605-8	Naphta (petroleum) hydrotreated light (Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% Hexane) ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	2.5-10%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<2.5%

. 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

. General information: Personal protection for the First Aider.

. 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: If skin irritation continues, consult a doctor.

. After eye contact: Immediately wash with water and soap and rinse thoroughly.

. After swallowing: Rinse opened eye for several minutes under running water. A person vomiting while laying on their back should be turned onto their side.

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

No further relevant information available.

#### 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: CO2, 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

In case of fire, the following can be released:  
Carbon monoxide (CO)  
Carbondioxid (CO2)

#### 5.3 Advice for firefighters

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

. Additional information: Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation  
Keep away from ignition sources.

#### 6.2 Environmental precautions:

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.  
Do not flush with water or aqueous cleansing agents

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** Open and handle receptacle with care.
- Information about fire - and explosion protection:
- 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.  
Do not spray onto a naked flame or any incandescent material.
- 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: Store away from foodstuffs.
- Further information about storage conditions: Protect from heat and direct sunlight.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- 7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters**
- Ingredients with limit values that require monitoring at the workplace:
- EINECS: 265-151-9 Naphhta (petroleum), hydrotreated light  
OES 600 mg/m<sup>3</sup>, 170ml/m<sup>3</sup>

#### 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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#### 110-54-3 n-hexane

WEL	Long-term value: 72 mg/m <sup>3</sup> , 20 ppm
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. DNELs

#### Naphta (Petroleum) hydrotreated light (Hydrocarbons, C7, n-Alkanes, Cyclics)

Oral	DNEL Long-term - systemic effects	149 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	149 mg/kg bw/day (general (Allgemeinbevölkerung))
		300 mg/kg bw/day (worker (Arbeitnehmer))
Inhalative	DNEL Long-term - systemic effects	477 mg/m <sup>3</sup> (general (Allgemeinbevölkerung))
		2,085 mg/m <sup>3</sup> (worker (Arbeitnehmer))

#### Hydrocarbons, C6, Isoalkanes, <5% n-Hexane

Oral	DNEL Long-term - systemic effects	1,301 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	1,377 mg/kg bw/day (general (Allgemeinbevölkerung))
		13,964 mg/kg bw/day (worker (Arbeitnehmer))
Inhalative	DNEL Long-term - systemic effects	1,137 mg/m <sup>3</sup> (general (Allgemeinbevölkerung))
		5,306 mg/m <sup>3</sup> (worker (Arbeitnehmer))

#### Naphta (petroleum), hydrotreated light (Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cycloalkanes, <5% n-Hexane)

Oral	DNEL Long-term - systemic effects	699 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	699 mg/kg bw/day (general (Allgemeinbevölkerung))
		773 mg/kg bw/day (worker (Arbeitnehmer))
Inhalative	DNEL Long-term - systemic effects	608 mg/m <sup>3</sup> (general (Allgemeinbevölkerung))
		2,035 mg/m <sup>3</sup> (worker (Arbeitnehmer))

#### Naphta (petroleum) hydrotreated light (Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% Hexane)

Oral	DNEL Long-term - systemic effects	1,301 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	1,377 mg/kg bw/day (general (Allgemeinbevölkerung))
		13,964 mg/kg bw/day (worker (Arbeitnehmer))
Inhalative	DNEL Long-term - systemic effects	1,131 mg/m <sup>3</sup> (general (Allgemeinbevölkerung))
		5,306 mg/m <sup>3</sup> (worker (Arbeitnehmer))

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

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**. 8.2 Exposure controls**

. 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.

. Respiratory protection:  
 . Protection of hands:

Not required.  
 Solvent resistant gloves  
 Protective gloves  
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

. Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
 Nitrile rubber, NBR  
 Recommended thickness of the material:  $\geq 0.7$  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

Value for the permeation: Level  $\leq 0,7$  mm 480min (8h) EN374  
 The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. Eye protection:

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

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

. General Information

. Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

. pH-value: Not determined.

. Change in condition

Initial boiling point and boiling range: -44 °C

. Flash point: -97 °C

. Flammability (solid, gas): Not applicable.

. Ignition temperature: 260 °C

. Decomposition temperature: Not determined.

. Auto-ignition temperature: Product is not selfigniting.

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

. Explosion limits:

Lower:	1 Vol %
Upper:	10,9 Vol %

. Vapour pressure at 20 °C: ~400 hPa

. Density at 20 °C: 0,695 g/cm<sup>3</sup>

. Relative density: Not determined.

. Vapour density: Not determined.

. Evaporation rate: Not applicable.

. Solubility in / Miscibility with water:

Not miscible or difficult to mix.

. Partition coefficient: n-octanol/water: Not determined.

. Viscosity:

Dynamic: Not determined.

. Solvent content:

Organic solvents: 45,6 %

**. 9.2 Other information** No further relevant information available.

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### 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 according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . Acute toxicity Based on available data, the classification criteria are not met.

- . LD/LC50 values relevant for classification:

#### 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))

Inhalative LC50/4h 658 mg/l (rat)

#### 74-98-6 propane

Inhalative LC50/4h &gt;20 mg/l (rat)

#### Naphta (Petroleum) hydrotreated light (Hydrocarbons, C7, n-Alkanes, Cyclics)

Oral LD50 &gt;5,840 mg/kg (rat)

Dermal LD50 &gt;2,920 mg/kg (rat)

Inhalative LC50/4h &gt;23.3 mg/l (rat)

#### Hydrocarbons, C6, Isoalkanes, <5% n-Hexane

Oral LD50 16,750 mg/kg (rat)

Dermal LD50 3,350 mg/kg (rabbit)

Inhalative LC50/4h 259 mg/l (rat)

#### Naphta (petroleum), hydrotreated light (Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cycloalkanes, <5% n-Hexane)

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rat)

Inhalative LC50/4h &gt;20 mg/l (rat)

#### Naphta (petroleum) hydrotreated light (Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% Hexane)

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rabbit)

Inhalative LC50/4h &gt;20 mg/l (rat)

#### 110-54-3 n-hexane

Oral LD50 5,000 mg/kg (mouse)

Dermal LD50 &gt;2,000 mg/kg (rabbit)

Inhalative LC50/4h 172 mg/l (rat)

- . Primary irritant effect:
- . 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.
- . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- . 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.

### SECTION 12: Ecological information

- . **12.1 Toxicity**

- . Aquatic toxicity:

#### Naphta (Petroleum) hydrotreated light (Hydrocarbons, C7, n-Alkanes, Cyclics)

LL50 (96h) 13.4 mg/l (Oncorhynchus mykiss)

EL50 (48h) 3 mg/l (daphnia magna/gr. Wasserfloh)

ErL50 (72h) 10-30 mg/l (Pseudokirchnerella subcapitata - Algen)

NOELR (72h) 10 mg/l (Pseudokirchnerella subcapitata - Algen)

#### Hydrocarbons, C6, Isoalkanes, <5% n-Hexane

EC50 (48h) 31.9 mg/l (daphnia magna/gr. Wasserfloh)

EC50 (96h) 18.27 mg/l (Oncorhynchus mykiss)

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LC50 (48h)	3.87 mg/l (daphnia magna/gr. Wasserfloh)
ErL50 (72h)	>1 mg/l (Oryzias latipes)
NOELR (72h)	55 mg/l (Pseudokirchnerella subcapitata - Algen)
	30 mg/l (Pseudokirchnerella subcapitata - Algen)

**Naphta (petroleum), hydrotreated light (Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cycloalkanes, <5% n-Hexane)**

EC50 (72h)	30 mg/l (Pseudokirchnerella subcapitata - Algen)
LL50 (96h)	11.4 mg/l (Oncorhynchus mykiss)
EL50 (48h)	3 mg/l (daphnia magna/gr. Wasserfloh)

**Naphta (petroleum) hydrotreated light (Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% Hexane)**

EL50 (48h)	3 mg/l (daphnia magna/gr. Wasserfloh)
ErL50 (72h)	55 mg/l (Pseudokirchnerella subcapitata - Algen)
NOELR (72h)	30 mg/l (Pseudokirchnerella subcapitata - Algen)

**110-54-3 n-hexane**

EC50 (48h)	2.1 mg/l (daphnia magna/gr. Wasserfloh)
LC50 (24h)	4 mg/l (Carassius auratus)

**12.2 Persistence and degradability**
**Hydrocarbons, C6, Isoalkanes, <5% n-Hexane**

Biodegradability 28d 98 % (---)

**110-54-3 n-hexane**

Biodegradability % (---)

**12.3 Bioaccumulative potential**
**Hydrocarbons, C6, Isoalkanes, <5% n-Hexane**

Log Pow &gt;3 (---)

**110-54-3 n-hexane**

BCF 242-253 (---)

**12.4 Mobility in soil**

No further relevant information available.

**Ecotoxicological effects:**
**Remark:**

Harmful to fish

**Additional ecological information:**
**General notes:**

Harmful to aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
**12.5 Results of PBT and vPvB assessment**
**PBT:**

Not applicable.

**vPvB:**

Not applicable.

**12.6 Other adverse effects**

No further relevant information available.

**SECTION 13: Disposal considerations**
**13.1 Waste treatment methods**

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

14 00 00	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08)
14 06 00	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 03*	other solvents and solvent mixtures

**Uncleaned packaging:**
**Recommendation:**

Disposal must be made according to official regulations.

**SECTION 14: Transport information**
**14.1 UN-Number**

ADR, IMDG, IATA

UN1950

**14.2 UN proper shipping name**

ADR

1950 AEROSOLS

IMDG

AEROSOLS (MOTOR SPIRIT, Hydrocarbons, C6, Isoalkanes, &lt;5% n-Hexane), MARINE POLLUTANT

IATA

AEROSOLS, flammable

**14.3 Transport hazard class(es)**

ADR



Class

2 5F Gases.

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. Label	2.1
. IMDG	
. Class	2.1
. Label	2.1
. IATA	
. Class	2.1
. Label	2.1
. <b>14.4 Packing group</b>	
. ADR, IMDG, IATA	Void
. <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: cyclohexane
. Marine pollutant:	No Symbol (fish and tree)
. <b>14.6 Special precautions for user</b>	Warning: Gases.
. Danger code (Kemler):	-
. 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.
. Segregation Code	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.
. <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
. Transport/Additional information:	
. ADR	
. Limited quantities (LQ)	1L
. Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
. Transport category	2
. Tunnel restriction code	D
. 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
. 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, 57
. <b>15.2 Chemical safety assessment:</b>	A Chemical Safety Assessment has not been carried out.

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### 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.

- . Department issuing SDS: Environment protection department.
- . Abbreviations and acronyms:
  - ADR: Accord européen sur le transport 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Gas 1: Flammable gases – Category 1
  - Aerosol 1: Aerosols – Category 1
  - Press. Gas C: Gases under pressure – Compressed gas
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  - Asp. Tox. 1: Aspiration 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

\* Data compared to the previous version altered.

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