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# Tire Lube 500ml

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

## 1.1. Product identifier

Trade name/designation:

# Tire Lube 500ml

#### **Article No.:**

T233981

UFI:

X9CR-M7EM-4Q06-5TYE

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

Lubricating agent

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

# Supplier:

## **Techniqua Handels GmbH**

Hartleitnerstraße 3 4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79 E-mail: office@techniqua.at

## 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

inspirituation according to negatiation (20, 110 22, 2, 2000 [cz. ]				
Hazard classes and hazard categories	Hazard statements	Classification procedure		
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.			
Aerosols (Aerosol 1)	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.			

## 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:



GHS02 Flame

Signal word: Danger

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### Hazard components for labelling:

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Hazard statements for physical hazards		
H222	Extremely flammable aerosol.	
H229 Pressurised container: May burst if heated.		

Supplemental hazard information	
EUH208	Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Precautionary statements 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/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary stat	ecautionary statements Storage	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.	

<b>Precautionary stat</b>	ecautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.	

#### **Additional information:**

Formation of explosive mixtures possible without adequate ventilation.

### 2.3. Other hazards

No data available

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

# **Description:**

Active ingredient mixture with propellant gas

#### **Additional information:**

Aerosols and containers fitted with a solid nebuliser containing substances or mixtures classified as hazardous by aspiration must not be labelled for this hazard.

# Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH No.: 01-2119474691-32	butane Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger	10 - < 25 %
CAS No.: 90622-57-4 EC No.: 918-167-1 REACH No.: 01-2119472146-39	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics Aquatic Chronic 4 (H413), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226)  Danger	10 - < 25 %
CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21	propane Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger	2.5 - < 10 %
CAS No.: 75-28-5 EC No.: 200-857-2 REACH No.: 01-2119485395-27	Isobutane Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger	1 - < 2.5 %

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# Tire Lube 500ml

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2682-20-4 EC No.: 220-239-6 REACH No.: 01-2120764690-50	2-methyl-2H-isothiazol-3-one Acute Tox. 2 (H330), Acute Tox. 3 (H301, H311), Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317)  Danger M-factor (acute): 10	< 0.0015 %

Full text of H- and EUH-phrases: see section 16.

# **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### Following inhalation:

Fresh air supply, consult a doctor in case of complaints.

#### In case of skin contact:

In general, the product is not irritating to skin.

## After eve contact:

Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

#### Following ingestion:

Do not induce vomiting, seek medical help immediately.

# 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 media:

Water mist, Extinguishing powder, Carbon dioxide, alcohol resistant foam

#### Unsuitable extinguishing media:

Water in full jet

# 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

# 5.3. Advice for firefighters

Special protective equipment: Put on breathing apparatus.

# **SECTION 6: Accidental release measures**

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

## 6.1.1. For non-emergency personnel

#### Personal precautions:

Wear protective equipment. Keep unprotected persons away.

#### **6.1.2. For emergency responders**

No data available

# 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities.

# 6.3. Methods and material for containment and cleaning up

## For cleaning up:

Do not wash away with water or aqueous detergents.

#### Other information:

Provide adequate ventilation.

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# Tire Lube 500ml

## 6.4. Reference to other sections

Further information on proper storage: see section 7.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

### **Protective measures**

#### Advices on safe handling:

Ensure good ventilation/extraction at the workplace.

#### Fire prevent measures:

Do not spray on naked flames or any incandescent material. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Container is under pressure. Protect from sunlight and temperatures above 50°C (e.g. from incandescent lamps). Do not open by force or burn even after use..

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

#### Requirements for storage rooms and vessels:

Store in a cool place. The official regulations for the storage of pressurised gas packages must be observed.

#### Hints on storage assembly:

The official regulations for the storage of pressurised gas packages must be observed.

Storage class (TRGS 510, Germany): 2B - Aerosol dispensers and lighters

## Further information on storage conditions:

Store in a well-ventilated place. Keep container tightly closed. Protect from heat and direct sunlight.

## 7.3. Specific end use(s)

#### **Recommendation:**

No further relevant information available.

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

## 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	<ol> <li>Long-term occupational exposure limit value</li> <li>Short-term occupational exposure limit value</li> <li>Instantaneous value</li> <li>Monitoring and observation processes</li> <li>Remark</li> </ol>
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m³)
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	② 1,600 ppm (3,800 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS No.: 90622-57-4 EC No.: 918-167-1	<ol> <li>200 mL/m³</li> <li>400 mL/m³</li> <li>(für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von weniger als 25 %)</li> </ol>

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Limit value type (country of origin)	Substance name	<ol> <li>Long-term occupational exposure limit value</li> <li>Short-term occupational exposure limit value</li> <li>Instantaneous value</li> <li>Monitoring and observation processes</li> <li>Remark</li> </ol>
MAK (AT)	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS No.: 90622-57-4 EC No.: 918-167-1	<ol> <li>170 mL/m³</li> <li>340 mL/m³</li> <li>(für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von 25 % oder mehr)</li> </ol>
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	② 2,000 ppm (3,600 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m³)
MAK (AT)	Isobutane CAS No.: 75-28-5 EC No.: 200-857-2	② 1,600 ppm (3,800 mg/m³) ⑤ (max. 3x60 min./SchichtMomentanwert)
MAK (AT)	Isobutane CAS No.: 75-28-5 EC No.: 200-857-2	① 800 ppm (1,900 mg/m³)
MAK (AT)	<b>2-methyl-2H-isothiazol-3-one</b> CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.05 mg/m³ ⑤ Sh

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

No data available

## 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls

No further details. See section 7.

### 8.2.2. Personal protection equipment





## Eye/face protection:

Safety goggles (EN-166)

# Skin protection:

Hand protection:

Gloves / solvent resistant

Breakthrough times and swelling properties of the material must be taken into consideration. Glove material:

The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. NBR (Nitrile rubber)

Recommended material thickness: ≥ 0,5 mm

Permeation time (maximum wear duration):

For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with the preference for a breakthrough time greater than 480 minutes. For short term or splash protection we recommend the same. We are aware that suitable gloves offering this protection are not available. In this case, a shorter breakthrough time is permissible, provided the procedures for maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance the

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gloves give against a chemical substance, as this depends on the exact composition of the material of the gloves. The exact breakthrough time should be checked with the glove manufacturer and adhered to. Body protection:

Use protective suit. (EN-13034/6)

Antistatic, chemical and oil resistant clothing and safety shoes are recommended. (EN1149; EN340&EN ISO 13688 EN13034-6).

# Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Filter ABEK-P2

#### Other protection measures:

General protective and hygienic measures:

Wash hands before breaks and after work.

General ventilation.

#### 8.2.3. Environmental exposure controls

Use a suitable container to prevent environmental pollution.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

## **Appearance**

Physical state: Aerosol Colour: not determined

**Odour:** characteristic

#### Safety relevant basis data

Parameter	Value	at °C	① Method	
			② Remark	
pH	not applicable		② Mixture is not polar/aprotic.	
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	-44.5 °C			
Decomposition temperature	not determined			
Flash point	-97 °C			
Evaporation rate	not determined			
Auto-ignition temperature	> 200 °C			
Upper/lower flammability or explosive limits	0.6 - 10.9 Vol-%			
Vapour pressure	not determined			
Vapour density	not determined			
Density	not determined			
Relative density	not determined			
Bulk density	not determined			
Water solubility	not applicable		② Not miscible or only slightly miscible.	
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	0 Pa* s	20 °C		
Kinematic viscosity	20.5 mm <sup>2</sup> /s	40 °C		

#### 9.2. Other information

The product is not self-igniting. The product is not explosive, but the formation of explosive vapour/air mixtures is possible. formation of explosive vapour/air mixtures is possible.

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

#### **Explosives:**

Not applicable

# Flammable gases:

Not applicable

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#### Aerosols:

Extremely flammable aerosol. Pressurized container: May burst if heated.

### Oxidizing gases:

Not applicable

## **Gases under pressure:**

Not applicable

#### Flammable liquids:

Not applicable

#### Flammable solids:

Not applicable

# Self-reactive substances and mixtures:

Not applicable

# **Pyrophoric liquids:**

Not applicable

#### **Pyrophoric solids:**

Not applicable

# Self-heating substances and mixtures:

Not applicable

#### Substances or mixtures which, in contact with water, emit flammable gases:

Not applicable

# **Oxidizing liquids:**

Not applicable

## Oxidizing solids:

Not applicable

# Organic peroxides:

Not applicable

# Corrosive to metals:

Not applicable

# **Desensitised explosives:**

Not applicable

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No further relevant information available.

#### 10.2. Chemical stability

Thermal decomposition / Conditions to avoid No decomposition when used as directed.

# 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

No dangerous decomposition products known.

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# **SECTION 11: Toxicological information**

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

**butane** CAS No.: 106-97-8 EC No.: 203-448-7

**LD<sub>50</sub> oral:** ≥5,000 mg/kg (Rat)

**LD<sub>50</sub> dermal:** ≥5,000 mg/kg (Rabbit)

LC<sub>50</sub> Acute inhalation toxicity (gas): 658 ppmV 4 h (Rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS No.: 90622-57-4 EC No.: 918-167-1

**LD<sub>50</sub> oral:** >5,000 mg/kg (Ratte)

LD<sub>50</sub> dermal: >5,000 mg/kg (Kaninchen)

LC<sub>50</sub> Acute inhalation toxicity (gas): >5,000 ppmV 4 h (Ratte)

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

LD<sub>50</sub> oral: 5,840 mg/kg (Rat)

LD<sub>50</sub> dermal: 13,900 mg/kg (Rabbit)

LC<sub>50</sub> Acute inhalation toxicity (gas): >25 ppmV 4 h (Rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)

**Isobutane** CAS No.: 75-28-5 EC No.: 200-857-2

LC<sub>50</sub> Acute inhalation toxicity (vapour): 1,237 mg/L (Mouse)

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

# Acute inhalation toxicity:

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

# **Skin corrosion/irritation:**

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

# 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:**

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

#### 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:**

Benzyl salicylate (118-58-1), 2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

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# **SECTION 12: Ecological information**

## 12.1. Toxicity

**butane** CAS No.: 106-97-8 EC No.: 203-448-7

LC<sub>50</sub>: 49.9 mg/L 4 d (fish)

EC<sub>50</sub>: 69.43 mg/L 2 d (crustaceans, Daphnia)

ErC<sub>50</sub>: 19.37 mg/L 4 d (Algae/water plant)

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS No.: 90622-57-4 EC No.: 918-167-1

NOEC: 1,000 mg/L 3 d (Daphnia magna)

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

LC<sub>50</sub>: 9,640 mg/L 4 d (fish, Pimephales promelas)

EC<sub>50</sub>: >100 mg/L (Algae/water plant, Bacteria)

LOEC: 1,000 mg/L (Algae/water plant, Algae)

LC50: 0.41 mg/L 4 d (fish, Oncorhynchus mykiss)

EC<sub>50</sub>: 0.17 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)

NOEC: 0.017 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

LC<sub>50</sub>: 49.9 mg/L 4 d (fish)

EC<sub>50</sub>: 69.43 mg/L 2 d (crustaceans, Daphnia)

ErC<sub>50</sub>: 19.37 mg/L 4 d (Algae/water plant)

LOEC: 1,000 mg/L (Algae/water plant, Alge)

**Isobutane** CAS No.: 75-28-5 EC No.: 200-857-2

**LC<sub>50</sub>:** 91.42 mg/L 4 d (fish)

EC<sub>50</sub>: 69.43 mg/L 2 d (crustaceans, Daphnia)

ErC<sub>50</sub>: 19.37 mg/L 4 d (Algae/water plant)

EC<sub>50</sub>: 69.43 mg/L 2 d (crustaceans, Daphnia sp.)

#### Additional ecotoxicological information:

No further relevant information available.

#### 12.2. Persistence and degradability

#### **Biodegradation:**

Not readily biodegradable.

# 12.3. Bioaccumulative potential

**butane** CAS No.: 106-97-8 EC No.: 203-448-7

Log K<sub>OW</sub>: 1.09

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

Log K<sub>OW</sub>: 1.09

**Isobutane** CAS No.: 75-28-5 EC No.: 200-857-2

**Log K<sub>OW</sub>:** 1.09

#### **Accumulation / Evaluation:**

No further relevant information available.

#### 12.4. Mobility in soil

No further relevant information available.

#### 12.5. Results of PBT and vPvB assessment

**butane** CAS No.: 106-97-8 EC No.: 203-448-7

Results of PBT and vPvB assessment: -

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS No.: 90622-57-4 EC No.: 918-167-1

Results of PBT and vPvB assessment: -

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

Results of PBT and vPvB assessment: —

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Isobutane CAS No.: 75-28-5 EC No.: 200-857-2

Results of PBT and vPvB assessment: —

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6

Results of PBT and vPvB assessment: —

not applicable

# 12.6. Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

#### 12.7. Other adverse effects

Do not allow to enter into surface water or drains.

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Must not be disposed of together with household waste.

### 13.1.1. Product/Packaging disposal

# Waste codes/waste designations according to EWC/AVV

**Directive 2008/98/EC (Waste Framework Directive)** 

HP 3 Flammable

#### **Waste treatment options**

### Appropriate disposal / Package:

Uncleaned packaging: Dispose of waste according to applicable legislation.

# **SECTION 14: Transport information**

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or i	D number		•
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper ship	ping name	•	
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable
14.3. Transport haza	rd class(es)	•	
2.1	No data available	2.1	2.1
14.4. Packing group		•	
		-	
14.5. Environmental	hazards		
No data available	No data available	No data available	No data available
14.6. Special precaut	tions for user		
in 190   327   344   625  Limited quantity (LQ): 1L  Excepted Quantities (EQ): E0  Classification code: 5F	Special Provisions: 190   327   344   625 Limited quantity (LQ): 1L Excepted Quantities (EQ): E0 Classification code: 5F Remark: Attention: Gases	Special Provisions: 63   190   277   327   344   381   959  Limited quantity (LQ): 1L  Excepted Quantities (EQ): E0  EmS-No.: F-D,S-U  Remark: Attention: Gases	Special Provisions: A145   A167 Remark: Attention: Gases

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## 14.7. Maritime transport in bulk according to IMO instruments

No data available

# **SECTION 15: Regulatory information**

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

## 15.1.1. EU legislation

#### **Authorisations:**

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients are included.

#### **Restrictions on use:**

Regulation (EC) No 1907/2006 ANNEX XVII: Restriction conditions: 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 are included.

Regulation (EU) 2019/1148

Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVES (upper concentration limit for a permit pursuant to Article 5(3)): None of the ingredients are included.

Annex II - EXPLOSIVES REPORTABLE FOR EXPLOSIVES: None of the ingredients are included.

Regulation (EC) No 273/2004 on drug precursors: None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries: None of the ingredients are included.

# Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

• P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

#### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 300 g/L

#### 15.1.2. National regulations

No data available

# 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

### **SECTION 16: Other information**

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

ACGIH American Conference of Governmental Industrial Hygienists

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

DNEL derived no-effect level

EC<sub>50</sub> Effective Concentration 50%

EN European Standard ES Exposure scenario

EWC European Waste Catalogue

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
LC50 Lethal (fatal) Concentration 50%

LD<sub>50</sub> Lethal (fatal) Dose 50%

MAK Maximum concentration in the workplace air (CH)

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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National Fire Protection Association **NFPA** 

National Institute for Occupational Safety & Health NIOSH

NOEC No Observed Effect Concentration

**OSHA** Occupational Safety & Health Administration persistent and bioaccumulative and toxic PBT

**PNEC** Predicted No Effect Concentration

**REACH** Registration, Evaluation and Authorization of Chemicals Dangerous goods regulations for transport by rail RID

Technische Regeln für Gefahrstoffe **TRGS** 

United Nations UN

VOC Volatile organic compounds ZNS central nervous system

## 16.3. Key literature references and sources for data

No data available

# 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	
	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

## 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

# 16.6. Training advice

No data available

#### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.