Wasp-Ex 750ml

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

1.1. Product identifier

Trade name/designation:

Wasp-Ex 750ml

Article No.:
T478075

UFI:
372E-T2A4-SQFW-CUS2

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

Use of the substance/mixture:
Insecticide (biocide PT18), spray for the control of wasp nests and wasp larvae

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

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment *(Aquatic Acute 1)*	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment *(Aquatic Chronic 1)*	H410: Very toxic to aquatic life with long lasting effects.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS09
Environment

GHS02
Flame

Signal word: Danger

Hazard components for labelling:
Prallethrin (ISO); 1R-trans-Phenothrin

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

Hazard statements for environmental hazards	
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

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.
P260	Do not breathe spray.
P262	Do not get in eyes, on skin, or on clothing.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.

Precautionary statements Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.

Precautionary statements Storage	
P403	Store in a well-ventilated place.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

Other adverse effects:
This product does not contain components in concentrations of 0.1% or higher that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB). This product does not contain any ingredients considered to have endocrine disrupting properties under Article 57(f) of REACH, Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 in quantities of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:
Aerosol spray (AE) based on 1 g/kg prallethrin and 1 g/kg 1R-trans-phenothrin

Wasp-Ex 750ml

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 920-901-0 REACH No.: 01-2119456810-40	**Hydrocarbons, C11-C13, iso-alkanes, <2% aromatics** Asp. Tox. 1 (H304) Danger **Acute Toxicity Estimate** ATE (oral) 5,000 mg/kg ATE (dermal) 5,000 mg/kg ATE (inhalation, dust/mist) 5,000 mg/L **Additional information:** EUH066	40 – 60 weight-%
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 **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 658 ppmV ATE (inhalation, vapour) > 800,000 mg/L	20 – 30 weight-%
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 **Acute Toxicity Estimate** ATE (oral) 5,840 mg/kg ATE (dermal) 13,900 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) ≥ 50 mg/L	10 – 20 weight-%
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	10 – 20 weight-%
CAS No.: 23031-36-9 EC No.: 245-387-9 Index No.: 607-431-00-9	**Prallethrin (ISO)** Acute Tox. 3 (H331), Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410) Danger M-factor (acute): 100 M-factor (chronic): 100 **Acute Toxicity Estimate** ATE (oral) 412 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) 0.658 mg/L	0.1 weight-%
CAS No.: 26046-85-5 EC No.: 247-431-2	**1R-trans-Phenothrin** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410) Warning M-factor (acute): 100 M-factor (chronic): 10 **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) > 5.3 mg/L ATE (inhalation, dust/mist) > 5.3 mg/L	0.1 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious, position and transport in stable lateral position.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Consult a doctor if symptoms persist.

In case of skin contact:
Remove contaminated clothing and rinse affected areas of skin thoroughly with water. In case of skin irritation, consult a physician. Wash contaminated clothing prior to re-use.

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

Following ingestion:
Rinse the mouth with water. Do NOT induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
Following inhalation: Although no data is available on potential toxicity to humans and animals, the product is considered harmful if inhaled.
Following skin contact: Repeated exposure may cause skin dryness or cracking.
After eye contact: No dangerous reactions known.
Following ingestion: Pulmonary oedema, Ingestion is not considered a predictable route of exposure.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Carbon dioxide (CO2), Extinguishing powder, Foam or water in the spray

Unsuitable extinguishing media:
Water in full jet

5.2. Special hazards arising from the substance or mixture
Extremely flammable aerosol. Heating causes rise in pressure with risk of bursting. Toxic vapours can be released.

5.3. Advice for firefighters
Special protective equipment In case of fire, wear self-contained breathing apparatus and full protective suit. Do not inhale explosion and combustion gases.

5.4. Additional information
If possible, remove containers from the danger zone. Cool endangered containers with water spray.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Observe instructions for limiting exposure and wear personal protective equipment (section 8). Avoid eye and skin contact. Block the leakage if there is no hazard. Wear protective equipment. Keep unprotected persons away.Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Take precautionary measures against static discharge.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
Do not allow to enter drains/surface water/ground water. Contain in case of escape of larger quantities. In case of spillage into water or sewage system, inform the competent authorities.

6.3. Methods and material for containment and cleaning up

Other information:

Take up leaking material with non-combustible, absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Dispose of in suitable, labeled containers. Clean soiled surfaces and objects with plenty of water. Collect rinsing water in closable containers and dispose of according to regulations.

6.4. Reference to other sections

See section 7 for further information on safe handling.
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:

The usual precautionary measures for handling chemicals must be observed.
Observe instructions for use.
Ensure good ventilation/extraction at the workplace.
Avoid direct contact with the product. Chemical resistant protective gloves recommended for sensitive persons. Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Do not use for products which come into contact with the food stuffs.

Fire prevent measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
Do not spray against a flame or on a glowing object. Only use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place.
Keep only in original packaging.
Store in a cool dry place.
The official regulations for the storage of pressurised gas packages must be observed.
Protect from heat and direct sunlight.

Hints on storage assembly:

Keep away from food, drink and animal feed.

Further information on storage conditions:

Store out of reach of children and pets. To reduce the risk of falling, pallets should be positioned as close to the floor as possible. When stacking the packages, make sure that the packages of the lower layers are not compressed (risk of leakage due to compression).

7.3. Specific end use(s)

Recommendation:

Only use in accordance with the instructions for use.

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	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	**butane** CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m³)
MAK (AT)	**butane** 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)	**propane** 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)	**propane** 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)

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
Ensure good ventilation/extraction at the workplace.

8.2.2. Personal protection equipment

Eye/face protection:
Safety goggles with side protection

Skin protection:
Hand protection:
Chemical resistant protective gloves (EN ISO 374).
Wash contaminated gloves. In case of contamination inside, damage or if contamination cannot be removed outside, discard.
Glove material: NBR (Nitrile rubber), Disposable gloves, Protection index class 6, Breakthrough time: >480 min
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.
Penetration time of the glove material: The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

Body protection:
No special measures required if used properly.

Respiratory protection:
Use appropriate respiratory protection.

Other protection measures:
General protective and hygienic measures:
Avoid any unnecessary contact with the product. Do not eat, drink or smoke in the workplace and maintain scrupulous cleanliness. Do not inhale vapours. Remove contaminated clothing and wash thoroughly before reuse. Wash skin thoroughly after work and before breaks.

8.2.3. Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Form: Aerosol
Colour: colourless
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*not applicable*		② insoluble in: Water
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	*No data available*		
Flash point	< 0 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	0.79 g/cm³		
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	*No data available*		
Kinematic viscosity	< 20.5 mm²/s	40 °C	

9.2. Other information
Heating leads to pressure build-up, risk of bursting and explosion.

9.2.1. Information with regard to physical hazard classes
Aerosols:
Extremely flammable aerosol. Pressurized container: May burst if heated.

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Direct sunlight, heat, open flames, sparks, hot surfaces, sources of ignition

10.5. Incompatible materials
strong acids, strong base

10.6. Hazardous decomposition products
None under the recommended storage and handling conditions (see section 7).

SECTION 11: Toxicological information

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

Prallethrin (ISO) CAS No.: 23031-36-9 EC No.: 245-387-9
LD_{50} oral: 412 mg/kg (Rat)
LD_{50} dermal: >5,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): 0.658 mg/L 47 h (Rat)
1R-trans-Phenothrin CAS No.: 26046-85-5 EC No.: 247-431-2
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (vapour): >5.3 mg/L 4 h (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): >5.3 mg/L 4 h (Rat)
Hydrocarbons, C11-C13, iso-alkanes, <2% aromatics EC No.: 920-901-0
LD_{50} oral: 5,000 mg/kg (Rat)
LD_{50} dermal: 5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): 5,000 mg/L (Rat)
butane CAS No.: 106-97-8 EC No.: 203-448-7
LD_{50} oral: >2,000 mg/kg
LD_{50} dermal: >2,000 mg/kg
LC_{50} Acute inhalation toxicity (gas): 658 ppmV (Rat)
LC_{50} Acute inhalation toxicity (vapour): >800,000 mg/L (Rat)
propane CAS No.: 74-98-6 EC No.: 200-827-9
LD_{50} oral: 5,840 mg/kg (Rat)
LD_{50} dermal: 13,900 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (gas): >25 ppmV 4 h (Rat)
LC_{50} Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)

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.
Repeated exposure may cause skin dryness or cracking.

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.

Additional information:
Experience in humans: Long-term exposure may cause headache, dizziness, eye irritation. May irritate the respiratory tract. Repeated or long-term contact with skin may cause drying/degreasing of the skin and dermatoses.

11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included.

SECTION 12: Ecological information

*

12.1. Toxicity

Prallethrin (ISO) CAS No.: 23031-36-9 EC No.: 245-387-9
LC_{50}: 0.012 mg/L 4 d (fish, Oncorhynchus mykiss)
EC_{50}: 0.0062 mg/L 2 d (crustaceans, Daphnia magna)
IC_{50}: 4.5 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
LC_{50}: 0.012 mg/L 4 d (fish)
EC_{50}: 0.0062 mg/L 2 d (crustaceans)
IC_{50}: 4.5 mg/L 3 d (Algae/water plant)
1R-trans-Phenothrin CAS No.: 26046-85-5 EC No.: 247-431-2
LC_{50}: 0.0559 mg/L 4 d (fish)
EC_{50}: 0.0046 mg/L 2 d (crustaceans)
EC_{50}: >5 mg/L 3 d (Algae/water plant)
NOEC: 0.00047 mg/L (crustaceans)
butane CAS No.: 106-97-8 EC No.: 203-448-7
LC_{50}: 49.9 mg/L 4 d (fish)
LC_{50}: 24.11 mg/L (fish)
EC_{50}: 69.43 mg/L 2 d (crustaceans, Daphnia sp.)
EC_{50}: 7.71 mg/L 4 d (Algae/water plant)
ErC_{50}: 19.37 mg/L 4 d (Algae/water plant)
propane CAS No.: 74-98-6 EC No.: 200-827-9
LC_{50}: 9,640 mg/L 4 d (fish, Pimephales promelas)
LC_{50}: 0.41 mg/L 4 d (fish, Oncorhynchus mykiss)
LC_{50}: 49.9 mg/L 4 d (fish)
EC_{50}: >100 mg/L (Algae/water plant, Bacteria)
EC_{50}: 0.17 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)
EC_{50}: 69.43 mg/L 2 d (crustaceans, Daphnia) Calculation with the ECOSAR programme v1.00.
NOEC: 0.017 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
ErC_{50}: 19.37 mg/L 4 d (Algae/water plant, Algae) Calculation with the ECOSAR programme v1.00.
LOEC: 1,000 mg/L (Algae/water plant, Algae)
LOEC: 1,000 mg/L (Algae/water plant, Alge)
IC_{50}: 11.3 mg/L 3 d (Algae/water plant)

Aquatic toxicity:
Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Prallethrin (ISO) CAS No.: 23031-36-9 EC No.: 245-387-9
Biodegradation: Yes, slowly
1R-trans-Phenothrin CAS No.: 26046-85-5 EC No.: 247-431-2
Biodegradation: Yes, slowly
Hydrocarbons, C11-C13, iso-alkanes, <2% aromatics EC No.: 920-901-0
Biodegradation: Yes, rapidly
butane CAS No.: 106-97-8 EC No.: 203-448-7
Biodegradation: Yes, rapidly
propane CAS No.: 74-98-6 EC No.: 200-827-9
Biodegradation: Yes, rapidly
isobutane CAS No.: 75-28-5 EC No.: 200-857-2
Biodegradation: Yes, rapidly

Additional information:
Butane: half-life in water < 2.6 days, in air 3.2 days; Propane: biodegradation: < 60% (28 days).

12.3. Bioaccumulative potential

butane CAS No.: 106-97-8 EC No.: 203-448-7
Log K_{OW}: 1.09
propane CAS No.: 74-98-6 EC No.: 200-827-9
Log K_{OW}: 1.09

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

Prallethrin (ISO) CAS No.: 23031-36-9 EC No.: 245-387-9
Results of PBT and vPvB assessment: —
1R-trans-Phenothrin CAS No.: 26046-85-5 EC No.: 247-431-2
Results of PBT and vPvB assessment: —
Hydrocarbons, C11-C13, iso-alkanes, <2% aromatics EC No.: 920-901-0
Results of PBT and vPvB assessment: —
butane CAS No.: 106-97-8 EC No.: 203-448-7
Results of PBT and vPvB assessment: —
propane CAS No.: 74-98-6 EC No.: 200-827-9
Results of PBT and vPvB assessment: —
isobutane CAS No.: 75-28-5 EC No.: 200-857-2
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties
For information on endocrine disrupting properties see section 11.

12.7. Other adverse effects
water hazard class 3: highly hazardous to water

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Must not be disposed of together with household waste. Do not allow to enter drains/surface water/ ground water.
Waste code number: 59803 (Pressurised gas packages (aerosol cans) with residual contents)

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

16 05 04 *	Gases in pressure containers (including halons) containing hazardous substances

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 04	metallic packaging

Waste treatment options

Appropriate disposal / Package:

Uncleaned packaging:
Dispose of waste according to applicable legislation. Do not pierce or burn, even after use.

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 ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)			
 2.1	No data available	No data available	No data available
14.4. Packing group			
		-	
14.5. Environmental hazards			
	No data available	No data available	No data available
14.6. Special precautions for user			
Special Provisions: Attention: Gases **Classification code:** 5F **Remark:** The product contains environmentally hazardous substances: prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate, 1R-trans-Phenothrin	**Special Provisions:** Attention: Gases **Classification code:** -	**Special Provisions:** Attention: Gases	**Special Provisions:** Attention: Gases

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

Annex XIV - List of substances subject to authorisation: None of the ingredients are included.
Regulation (EC) No 1907/2006 ANNEX XVII Restriction conditions: 3
Substances of Very High Concern (SVHC) according to REACH, Article 57: None of the ingredients are included.
Regulation (EC) 2019/1021 [POP Regulation]: None of the ingredients are included.
Regulation (EU) 649/2012 (PIC): None of the ingredients are included.
Regulation (EU) 2019/1148: None of the ingredients are included. Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: None of the ingredients are included.

Other regulations (EU):

Hazard categories:
• P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids
• E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Named dangerous substances:
• Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

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

Volatile organic compounds (VOC) content in percent by weight: 99.8

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

15.3. Additional information

Notes: Use biocides safely. Always read the label and product information before use.

SECTION 16: Other information

* 16.1. Indication of changes

1.3.	Details of the supplier of the safety data sheet
8.1.	Control parameters
12.1.	Toxicity
16.1.	Indication of changes

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_{50}	Effective Concentration 50%
ES	Exposure scenario
EWC	European Waste Catalogue
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC_{50}	Lethal (fatal) Concentration 50%

LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

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
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment *(Aquatic Acute 1)*	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment *(Aquatic Chronic 1)*	H410: Very toxic to aquatic life with long lasting effects.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.

* Data changed compared with the previous version.