Rust Shock 500ml

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

1.1. Product identifier

Trade name/designation:

Rust Shock 500ml

Article No.:
T261001

UFI:
T674-HPYT-8J08-GJH8

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

Use of the substance/mixture:
Rust remover

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
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	

2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS07
Exclamation mark

GHS09
Environment

Signal word: Danger

Hazard components for labelling:
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; Kerosine (petroleum), hydrodesulfurized

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

Hazard statements for health hazards	
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

Hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH208	Contains methyl salicylate. 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 vapours and spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves.

Precautionary statements Response	
P312	Call a POISON CENTER if you feel unwell.

Precautionary statements Storage	
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Precautionary 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

Other adverse effects:
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The product does not contain any substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 921-024-6 REACH No.: 01-2119475514-35	**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane** Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), STOT SE 3 (H336), Skin Irrit. 2 (H315)  Danger **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,920 mg/kg ATE (inhalation, gases) > 20 ppmV ATE (inhalation, vapour) > 25.2 mg/L	14 – < 25 Vol-%
CAS No.: 64742-81-0 EC No.: 265-184-9 Index No.: 649-423-00-8 REACH No.: 01-2119462828-25	**Kerosine (petroleum), hydrodesulfurized** Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), STOT SE 3 (H336), Skin Irrit. 2 (H315)  Danger **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) > 5.28 ppmV ATE (inhalation, vapour) ≥ 50 mg/L	5 – < 10 Vol-%
CAS No.: 119-36-8 EC No.: 204-317-7 Index No.: 607-749-00-8 REACH No.: 01-2119515671-44	**methyl salicylate** Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Repr. 2 (H361d), Skin Sens. 1B (H317)  Warning **Acute Toxicity Estimate** ATE (oral) 890 mg/kg ATE (dermal) > 5,000 mg/kg	0 – < 1 Vol-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:
Remove affected person from the danger area and lay down. Fresh air supply, consult a doctor in case of complaints. If unconscious but breathing normally, place in recovery position and seek medical advice.

In case of skin contact:
Wash with plenty of water and soap. Wash contaminated clothing immediately. In case of skin reactions, consult a physician.

After eye contact:
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion:
Rinse mouth thoroughly with water. Do not induce vomiting, seek medical help immediately. If swallowed, immediately drink: Water. If vomiting occurs, keep head low so that stomach contents do not enter the lungs.

Self-protection of the first aider:
First aider: Pay attention to self-protection! Never give anything by mouth to an unconscious person!

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

Irritation to respiratory tract, Cough, Headache, Dizziness, Confusion
In case of prolonged contact: Drying of the skin, Dermatitis
IF SWALLOWED: Nausea, Vomiting
Aspiration hazard: Pulmonary oedema, Chemical pneumonitis

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, Carbon dioxide (CO2), Dry extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon oxides, Sulphur oxides, toxic gases
Heating causes rise in pressure with risk of bursting.
In use, may form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Personal protection equipment: see section 8.
Do not inhale explosion and combustion gases.
Use suitable breathing apparatus.
Full protection suit
Immerse in cold water for a prolonged period.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Personal protection equipment: see section 8.
Provide adequate ventilation.
Remove all sources of ignition.
Avoid dust formation with solid or powdery products.
Keep away from sources of ignition - No smoking.
Avoid contact with skin, eyes and clothes.
Special danger of slipping by leaking/spilling product.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

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:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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.

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on general occupational hygiene

The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.
Ensure good ventilation/extraction at the workplace.
Avoid breathing vapours.
Avoid contact with skin, eyes and clothes.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store out of reach of unauthorised persons. Do not store the product in passageways and stairways. Store product only in the original packaging and closed. Observe special instructions for aerosols. Observe special storage conditions. Do not store together with oxidising or spontaneously combustible substances. Protect from sunlight. Do no expose to temperatures exceeding 50 °C. Store in a cool dry place. Store in a well-ventilated place.

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

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

Industrial sector specific solutions:

No further relevant information available.

SECTION 8: Exposure controls/personal protection

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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)	**Kerosine (petroleum), hydrodesulfurized** CAS No.: 64742-81-0 EC No.: 265-184-9	① 20 mL/m³ ② 40 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von mehr als 25 %)
MAK (AT)	**Kerosine (petroleum), hydrodesulfurized** CAS No.: 64742-81-0 EC No.: 265-184-9	① 70 mL/m³ ② 140 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von 1 % bis 25 % und an Hexanen von weniger als 1 %)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	2,035 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	608 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	773 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Kerosine (petroleum), hydrodesulfurized CAS No.: 64742-81-0 EC No.: 265-184-9	19 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects ③ 24 h
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	17.5 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	4 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	285 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	213 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	6 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	3 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	1 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	20 µg/L	① PNEC aquatic, freshwater
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	2 µg/L	① PNEC aquatic, marine water
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	140 mg/L	① PNEC sewage treatment plant

Substance name	PNEC Value	① PNEC type
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	0.52 mg/kg bw/day	① PNEC sediment, freshwater
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	0.052 mg/kg bw/day	① PNEC sediment, marine water
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	0.35 mg/kg bw/day	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation/extraction at the workplace. If this is not sufficient to keep the concentration below the occupational exposure limits (OEL), suitable respiratory protection must be worn. Applies only if exposure limit values are listed here. Appropriate assessment methods for checking the effectiveness of the protective measures taken include metrological and non-measured determination methods. Such methods are described by e.g. EN 14042, TRGS 402 (Germany). EN 14042 "Workplace atmospheres. Guidance for the application and use of methods and equipment for the determination of chemical and biological agents". TRGS 402 "Determining and assessing the hazards of activities involving hazardous substances - Inhalation exposure".

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles with side shields (EN 166).

Skin protection:

Hand protection:
Chemical-resistant protective gloves (EN ISO 374). Protective gloves made of Neoprene® / polychloroprene (EN ISO 374). Protective gloves made of nitrile (EN ISO 374). Protective gloves in Viton® / in fluoroelastomer (EN ISO 374). Minimum layer thickness in mm: 0.5. Permeation time (breakthrough time) in minutes: 480. The breakthrough times determined according to EN 16523-1 were not carried out under practical conditions. A maximum wearing time corresponding to 50% of the breakthrough time is recommended. Hand protection cream recommended.
Skin protection:
Protective work clothing (e.g. safety shoes EN ISO 20345, long-sleeved work clothing).

Respiratory protection:

Filter A2/P2
Observe the wear time limits as specified by the manufacturer.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance

Form: Aerosol
Colour: colourless
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
Initial boiling point and boiling range	*No data available*		
Flash point	-60 °C		
Evaporation rate	*No data available*		
Vapour pressure	3,900 hPa	20 °C	
Density	≈ 0.73 g/mL		
Relative density			

Parameter	Value	at °C	① Method ② Remark
Water solubility	*not applicable*		② Immiscible

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Heat. Remove all sources of ignition. Pressurised container: May burst if heated.

10.5. Incompatible materials
Avoid contact with strong oxidising agents.

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**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	EC No.: 921-024-6
LD_{50} oral: >5,000 mg/kg (Rat) OECD 401	
LD_{50} dermal: >2,920 mg/kg (Rabbit)	
LC_{50} Acute inhalation toxicity (gas): >20 ppmV 4 h (Rat) OECD 403	
LC_{50} Acute inhalation toxicity (vapour): >25.2 mg/L 4 h (Rat)	
Kerosine (petroleum), hydrodesulfurized	CAS No.: 64742-81-0 EC No.: 265-184-9
LD_{50} oral: ≥5,000 mg/kg (Rat)	
LD_{50} dermal: >2,000 mg/kg (Rabbit) OECD 402	
LC_{50} Acute inhalation toxicity (gas): >5.28 ppmV 1 d (Rat) OECD 403	
LC_{50} Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)	
methyl salicylate	CAS No.: 119-36-8 EC No.: 204-317-7
LD_{50} oral: 890 mg/kg (#RENDERER_HINT_HIDE_STRING#)	
LD_{50} dermal: >5,000 mg/kg (Kaninchen)	

[1]: Acute Toxicity Estimate. Harmonised (legal) classification.

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:
Causes skin irritation.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
Contains methyl salicylate. May produce an allergic reaction.

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

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

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12.1. Toxicity

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6
LC_{50}: 11.4 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
EC_{50}: 3 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
NOEC: 0.17 mg/L 21 d (crustaceans, Daphnia magna)
LOEC: 0.32 mg/L 21 d (crustaceans, Daphnia magna)
EC_{50}: 30 – 100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
LC_{50}: >1 – 10 mg/L 4 d (fish, Pimephales promelas)
EC_{50}: >1 – 10 mg/L 2 d (crustaceans, Daphnia magna)
NOEC: 2.045 mg/L 28 d (fish, Oncorhynchus mykiss)
NOEC: 1 mg/L 21 d (crustaceans, Daphnia magna) OECD 211
ErC_{50}: 10 – 30 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201
LOEC: 0.32 mg/L 21 d (Daphnia magna)
LC_{50}: 11.4 mg/L 4 d (fish)
Kerosine (petroleum), hydrodesulfurized CAS No.: 64742-81-0 EC No.: 265-184-9
NOEC: 0.098 mg/L 28 d (fish, Oncorhynchus mykiss) QSAR
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7
LC_{50}: 19.8 mg/L 4 d (fish, Pimephales promelas) OECD 203
EC_{50}: 27 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201
NOEC: 0.79 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) Regulation (EC) 440/2008 C.3

Aquatic toxicity:
Toxic to aquatic life with long lasting effects.

Additional ecotoxicological information:
No further relevant information available.

12.2. Persistence and degradability

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6
Biodegradation: Yes, rapidly
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7
Biodegradation: Yes, rapidly

Additional information:
The substance(s) contained in this preparation contained surfactant(s) fulfils the conditions of the biological degradability as specified in the Regulation (EC) No. 648/2004 on Detergents are laid down.

Documents which this confirm this, are made available to the competent authorities of the Member States held ready and only to these either to their direct or at the request of a Detergents detergent manufacturer available provided.

12.3. Bioaccumulative potential

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6	
Log K_{OW}: 5.2	
Bioconcentration factor (BCF): 250	
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7	
Log K_{OW}: 2.5	

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6
Results of PBT and vPvB assessment: —
Kerosine (petroleum), hydrodesulfurized CAS No.: 64742-81-0 EC No.: 265-184-9
Results of PBT and vPvB assessment: —
methyl salicylate CAS No.: 119-36-8 EC No.: 204-317-7
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties
No further relevant information available.

12.7. Other adverse effects
None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

14 06 03 *	other solvents and solvent mixtures
16 05 04 *	Gases in pressure containers (including halons) containing hazardous substances
20 01 13 *	Solvents

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 04	metallic packaging

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal. Dispose of waste according to applicable legislation.

Appropriate disposal / Package:
Dispose of waste according to applicable legislation.

Other disposal recommendations:
Do not allow to enter into surface water or drains.

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

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
AEROSOLS		AEROSOLS (HYDROCARBONS, C6-C7,KEROSENE)	
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1
14.4. Packing group			
		-	
14.5. Environmental hazards			
		 MARINE POLLUTANT	No
14.6. Special precautions for user			
Special Provisions: 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Tunnel restriction code:** (D) **Remark:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage.	**Special Provisions:** 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Remark:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage.	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** Siehe SV277 **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U **Remark:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage.	**Special Provisions:** A145 | A167 **Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0 **Remark:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage.

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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:
Regulation (EC) No 1907/2006 ANNEX XVII: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Regulation (EC) No. 648/2004 [Detergents regulation]: 30 % and above: aliphatic hydrocarbons. Less than 5 %: aromatic hydrocarbons, fragrances.

Other regulations (EU):
Hazard categories:
• P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids
• E2 Hazardous to the Aquatic Environment in Category Chronic 2

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 98.35 weight-%

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**

3.2.	Mixtures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
14.3.	Transport hazard class(es)
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.7.	Additional information

* **16.2. Abbreviations and acronyms**

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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
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
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
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
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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.