Clean Spray 500ml

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

1.1. Product identifier

Trade name/designation:

Clean Spray 500ml

Article No.:
T471001

UFI:
RMUT-YGXE-540K-HNCR

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

Use of the substance/mixture:
Aerosol

*

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
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
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.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye 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:
propan-2-ol; Hydrocarbons, C6, iso-alkanes, <5% n-hexane; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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

Supplemental hazard information: none

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements Storage	
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.

2.3. Other hazards

Other adverse effects:
none

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-49-0 EC No.: 927-510-4 REACH No.: 01-2119475515-33	**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics** 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, vapour) > 23.3 mg/L	≤ 40 Vol-%
EC No.: 931-254-9 REACH No.: 01-2119484651-34	**Hydrocarbons, C6, iso-alkanes, <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) ≥ 5,000 mg/kg ATE (inhalation, vapour) 259,354 mg/L ATE (inhalation, dust/mist) ≥ 50 mg/L	≤ 30 Vol-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: 01-2119457558-25	**propan-2-ol** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) > 20 mg/L	≤ 20 Vol-%
CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8 REACH No.: 01-2119471330-49	**Acetone** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger EUH066 **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) > 20 mg/kg ATE (inhalation, gases) > 20 ppmV ATE (inhalation, vapour) > 50 mg/L ATE (inhalation, dust/mist) 76 mg/L	≤ 20 Vol-%
CAS No.: 124-38-9 EC No.: 204-696-9	**carbon dioxide** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) 259,354 mg/L ATE (inhalation, dust/mist) ≥ 50 mg/L	≤ 4 Vol-%
CAS No.: 110-54-3 EC No.: 203-777-6 REACH No.: 01-2119480412-44	**n-hexane** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, dust/mist) ≥ 50 mg/L	≤ 2 Vol-%
CAS No.: 110-82-7 EC No.: 203-806-2 Index No.: 601-017-00-1 REACH No.: 01-2119463273-41	**cyclohexane** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), 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) ≥ 5,000 mg/kg ATE (inhalation, dust/mist) ≥ 50 mg/L	≤ 0.4 Vol-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Always seek medical advice as soon as possible in case of serious or persistent disorders.

Following inhalation:
Provide fresh air. IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if symptoms persist.

After eye contact:
First rinse with water for a long time, (remove contact lenses if this is easily possible), then consult a doctor.

Following ingestion:
Rinse mouth thoroughly with water. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Dermal: Redness; Pain

Eye contact: Redness, Pain, Impairment of vision
oral: Gastrointestinal complaints, Headache, Fatigue, Vomiting
inhalation: Sore throat, Cough, Headache, Shortness of breath

4.3. Indication of any immediate medical attention and special treatment needed
none

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Carbon dioxide (CO2), Powder, Foam, Water spray jet

5.2. Special hazards arising from the substance or mixture
none

5.3. Advice for firefighters
none

5.4. Additional information
Extinguishing media to be avoided: none

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Personal precautions:
Do not step in or touch spilled substances and avoid inhalation of fumes, smoke, dust and vapours by staying on the side facing the wind. Remove contaminated clothing and used contaminated protective equipment and dispose of safely.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For cleaning up:
Allow to be absorbed by absorbent material.

6.4. Reference to other sections
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:
Handle with care to avoid spillage.

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.
Further information on storage conditions:
Protect from frost.

7.3. Specific end use(s)
Recommendation:
aerosol dispensers and lighters

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)	**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics** CAS No.: 64742-49-0 EC No.: 927-510-4	① 200 mL/m³ ② 400 mL/m³ ⑤ (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 %)
MAK (AT)	**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics** CAS No.: 64742-49-0 EC No.: 927-510-4	① 170 mL/m³ ② 340 mL/m³ ⑤ (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)
MAK (AT)	**propan-2-ol** CAS No.: 67-63-0 EC No.: 200-661-7	② 800 ppm (2,000 mg/m³) ⑤ (max. 4x15 min./Schicht)
MAK (AT)	**propan-2-ol** CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m³)
MAK (AT)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	② 2,000 ppm (4,800 mg/m³) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,210 mg/m³)
MAK (AT)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,200 mg/m³)
MAK (AT)	**carbon dioxide** CAS No.: 124-38-9 EC No.: 204-696-9	① 5,000 ppm (9,000 mg/m³)
MAK (AT)	**carbon dioxide** CAS No.: 124-38-9 EC No.: 204-696-9	② 10,000 ppm (18,000 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)
IOELV (EU)	**carbon dioxide** CAS No.: 124-38-9 EC No.: 204-696-9	① 5,000 ppm (9,000 mg/m³)
MAK (AT) from 11 Sept 2007	**n-hexane** CAS No.: 110-54-3 EC No.: 203-777-6	② 80 ppm (288 mg/m³) ⑤ (max. 4x15 min./Schicht) f
MAK (AT) from 11 Sept 2007	**n-hexane** CAS No.: 110-54-3 EC No.: 203-777-6	① 20 ppm (72 mg/m³) ⑤ f
IOELV (EU)	**n-hexane** CAS No.: 110-54-3 EC No.: 203-777-6	① 20 ppm (72 mg/m³)
MAK (AT)	**cyclohexane** CAS No.: 110-82-7 EC No.: 203-806-2	① 200 ppm (700 mg/m³)

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)	**cyclohexane** CAS No.: 110-82-7 EC No.: 203-806-2	② 800 ppm (2,800 mg/m³) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	**cyclohexane** CAS No.: 110-82-7 EC No.: 203-806-2	① 200 ppm (700 mg/m³)

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
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4	2,085 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4	477 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4	149 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4	149 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	5,306 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	1,131 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	13,964 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	1,377 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	1,301 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	500 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	89 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	888 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	319 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	26 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	1,210 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	200 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	2,420 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	186 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, freshwater
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, marine water
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	2,251 mg/L	① PNEC sewage treatment plant
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, freshwater
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, marine water
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	28 mg/kg	① PNEC soil
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, intermittent release
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	10.6 mg/L	① PNEC aquatic, freshwater
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	1.06 mg/L	① PNEC aquatic, marine water
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	100 mg/L	① PNEC sewage treatment plant

Substance name	PNEC Value	① PNEC type
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	30.4 mg/L	① PNEC sediment, freshwater
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	3.04 mg/L	① PNEC sediment, marine water
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	29.5 mg/kg	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

The level of protection and types of controls required will depend on the potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. See section 7 of the safety data sheet.

8.2.2. Personal protection equipment

Eye/face protection:

Keep eye wash bottle within reach. Wear tight-fitting safety glasses. In case of exceptional processing problems, wear a face shield and protective suit.

Skin protection:

Handle with butyl protective gloves. Breakthrough time: > 480 min., layer thickness: 0.7 mm, according to EN 374. Check gloves carefully before use. Remove gloves carefully without touching the outside with the bare hand. Suitability for a specific workplace must be discussed with the manufacturer of the protective gloves. Wash and dry the hands.

Respiratory protection:

If respiratory risks are present, use an air-purifying face mask if necessary.

Other protection measures:

Impermeable clothing. The type of protective equipment depends on the concentration and quantity of hazardous substances in the workplace concerned.

8.2.3. Environmental exposure controls

Comply with applicable environmental regulations that limit releases to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. For further information on disposal: see section 13.

SECTION 9: Physical and chemical properties

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
pH	*No data available*		
Melting point	0 °C		
Freezing point	*No data available*		
Initial boiling point and boiling range	-57 – 95 °C		
Flash point	-20 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	*No data available*		

Parameter	Value	at °C	① Method ② Remark
Upper/lower flammability or explosive limits	1.1 – 13 %		
Vapour pressure	19,000 Pa	20 °C	
Vapour density	*No data available*		
Density	0.724 kg/L	20 °C	
Bulk density	*not applicable*		
Water solubility	practically insoluble		
Dynamic viscosity	1 mPa* s	20 °C	
Kinematic viscosity	1 mm²/s	40 °C	
Self ignition temperature	370 °C		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
none

10.4. Conditions to avoid
Protect from sunlight. Do no expose to temperatures exceeding 50 °C.

10.5. Incompatible materials
Do not store near sources of ignition.

10.6. Hazardous decomposition products
No decomposition when used as directed.

SECTION 11: Toxicological information

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4
LD_{50} oral: ≥5,000 mg/kg (Rat)
LD_{50} dermal: >2,920 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (vapour): >23.3 mg/L 4 h (Rat)
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
ATE (inhalation, vapour): 259,354 mg/L
LD_{50} oral: ≥5,000 mg/kg (Rat) OECD 401
LD_{50} dermal: ≥5,000 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (dust/mist): ≥50 mg/L (Rat) OECD 403
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
LD_{50} oral: >2,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (gas): >25 ppmV 4 h (Rat)
LC_{50} Acute inhalation toxicity (vapour): >20 mg/L 6 h (Rat)

Acetone CAS No.: 67-64-1 EC No.: 200-662-2	
LD_{50} oral: ≥5,000 mg/kg (Rat)	
LD_{50} dermal: >20 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (gas): >20 ppmV 4 h (Rat)	
LC_{50} Acute inhalation toxicity (vapour): >50 mg/L 4 h (Rat)	
LC_{50} Acute inhalation toxicity (dust/mist): 76 mg/L 4 h (Rat)	
carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9	
ATE (inhalation, vapour): 259,354 mg/L	
LD_{50} oral: ≥5,000 mg/kg (Ratte)	
LD_{50} dermal: ≥5,000 mg/kg (Kaninchen)	
LC_{50} Acute inhalation toxicity (dust/mist): ≥50 mg/L 4 h (Ratte)	
n-hexane CAS No.: 110-54-3 EC No.: 203-777-6	
LD_{50} oral: ≥5,000 mg/kg (Ratte)	
LD_{50} dermal: ≥5,000 mg/kg (Kaninchen)	
LC_{50} Acute inhalation toxicity (dust/mist): ≥50 mg/L 4 h (Ratte)	
cyclohexane CAS No.: 110-82-7 EC No.: 203-806-2	
LD_{50} oral: ≥5,000 mg/kg (Ratte)	
LD_{50} dermal: ≥5,000 mg/kg (Kaninchen)	
LC_{50} Acute inhalation toxicity (dust/mist): ≥50 mg/L 4 h (Ratte)	

Acute oral toxicity:
> 2000 mg/kg

Acute dermal toxicity:
> 2000 mg/kg

Skin corrosion/irritation:
Causes skin irritation.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Not classified according to the CLP calculation method.

Germ cell mutagenicity:
Not classified according to the CLP calculation method.

Carcinogenicity:
Not classified according to the CLP calculation method.

Reproductive toxicity:
Not classified according to the CLP calculation method.

STOT-single exposure:
May cause drowsiness or dizziness.

STOT-repeated exposure:
Not classified according to the CLP calculation method.

Aspiration hazard:
Not classified according to the CLP calculation method.

11.2. Information on other hazards

Other information:
No further details.

SECTION 12: Ecological information

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12.1. Toxicity

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4
LC_{50}: >13.4 mg/L 4 d (fish)
EC_{50}: 3 mg/L (crustaceans, Daphnia magna))
NOEC: 0.17 mg/L (Algae/water plant, Daphnia magna)
LOEC: 0.32 mg/L (Algae/water plant)
EC_{50}: 3 mg/L 2 d (Daphnia magna)
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
LC_{50}: >2 mg/L 4 d (fish)
EC_{50}: 31.9 mg/L 2 d (crustaceans, Daphnia magna)
ErC_{50}: 13.6 mg/L 3 d (Algae/water plant, Pseudokirchnerella subcapitata)
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
LC_{50}: >1,000 mg/L 4 d (fish)
LC_{50}: 9,640 mg/L 4 d (fish, Pimephales promelas)
LC_{50}: 9,714 mg/L 1 d (Daphnia magna)
EC_{50}: >1,000 mg/L 2 d (crustaceans)
EC_{50}: >100 mg/L (Algae/water plant, Bacteria)
EC_{50}: >100 mg/L 2 d (crustaceans, Daphnia magna)
ErC_{50}: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus)
ErC_{50}: >100 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus)
LOEC: 1,000 mg/L (Alge)
LOEC: 1,000 mg/L (Algae/water plant, Algae)
LOEC: 1,000 mg/L
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
LC_{50}: 8,300 mg/L 4 d
LC_{50}: 5,540 mg/L 4 d (fish, Oncorhynchus mykiss)
LC_{50}: 4,042 mg/L (fish)
EC_{50}: 8,800 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 8,300 mg/L (fish)
EC_{50}: 302 mg/L 4 d (Algae/water plant)
NOEC: 2,212 mg/L (crustaceans, Daphnia pulex)

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
Biodegradation: Yes, rapidly
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Biodegradation: Yes, rapidly
Remark: Readily biodegradable (according to OECD criteria).
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Biodegradation: Yes, rapidly

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
Log K_{OW}: 3.6

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Log K_{OW}: 0.05
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Log K_{OW}: -0.23
Bioconcentration factor (BCF): 3

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil
insoluble in: Water

12.5. Results of PBT and vPvB assessment

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS No.: 64742-49-0 EC No.: 927-510-4
Results of PBT and vPvB assessment: —
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
Results of PBT and vPvB assessment: —
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Results of PBT and vPvB assessment: —
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Results of PBT and vPvB assessment: —
carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9
Results of PBT and vPvB assessment: —
n-hexane CAS No.: 110-54-3 EC No.: 203-777-6
Results of PBT and vPvB assessment: —
cyclohexane CAS No.: 110-82-7 EC No.: 203-806-2
Results of PBT and vPvB assessment: —

No further relevant information available.

12.6. Endocrine disrupting properties
No further relevant information available.

12.7. Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Do not allow to enter into surface water or drains. Disposal must be carried out by an approved service provider. Any restrictions imposed by local authorities must always be respected.

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, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, MARINE POLLUTANT	AEROSOLS, flammable
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1
14.4. Packing group			
		-	

Clean Spray 500ml

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental hazards			
	No data available	 MARINE POLLUTANT	No data available
14.6. Special precautions for user			
Special Provisions: 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Tunnel restriction code:** (D) **Remark:** Explosion risk. Pressurised container: May burst if heated.	**Special Provisions:** 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Remark:** Explosion risk. Pressurised container: May burst if heated.	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** 1L **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D,S-U **Remark:** Explosion risk. Pressurised container: May burst if heated.	**Special Provisions:** A145 | A167 **Remark:** Explosion risk. Pressurised container: May burst if heated.

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

Other regulations (EU):
Safety, health and environmental regulations specific for the product in question: aliphatic hydrocarbons: > 30

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 96.25 Vol-%

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

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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
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
ES	Exposure scenario
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
NIOSH	National Institute for Occupational Safety & Health
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
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
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
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
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.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye 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.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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

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

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.