

SAFETY DATA SHEET

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

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Safe Clean NSF 500ml

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

1.1. Product identifier

Trade name/designation:

Safe Clean NSF 500ml

Article No.:

T204101

UFI:

9A23-02K1-ETOH-NXP6

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

Use of the substance/mixture:

Cold cleaner

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

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

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Hazard components for labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; propan-2-ol

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. |
|------|--|

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 mist/vapours/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye protection/face protection. |

Precautionary statements Response

| | |
|-------------|--|
| P302 + P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER if you feel unwell. |

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. |

Precautionary statements Disposal

| | |
|------|---|
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility. |
|------|---|

2.3. Other hazards

Other adverse effects:

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

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.

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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 The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. 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 | 75 - < 100 Vol-% |
| | Aliphatic hydrocarbons The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. | ≥ 30 Vol-% |
| 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 | 2.5 - < 10 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 | 2.5 - < 10 Vol-% |

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

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.

After eye 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 (CO₂), 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.

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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.

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 discharges. 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 cool, dry place in well-sealed containers. Protect from heat and direct sunlight.

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

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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) | propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 | ② 800 ppm (2,000 mg/m ³) 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/m ³) |
| MAK (AT) | carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9 | ① 5,000 ppm (9,000 mg/m ³) |
| MAK (AT) | carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9 | ② 10,000 ppm (18,000 mg/m ³) 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/m ³) |

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, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6 | 2,035 mg/m ³ | 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/m ³ | 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 |
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 | 500 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 | 89 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| 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 |

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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 | 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 |

| 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 |

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: $\geq 0,5$ 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 A2/P2

Other protection measures:

General protective and hygienic measures: Keep away from food, drink and animal feed. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. 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

Form: Aerosol

Colour: According to product designation

Odour: characteristic

flammability: No data available

Safety relevant basis data

| Parameter | Value | at °C | ① Method ② Remark |
|--|--------------------------|-------|---|
| pH | <i>not applicable</i> | | ② Mixture is not polar/aprotic. |
| Initial boiling point and boiling range | 82 °C | | ② propan-2-ol |
| Flash point | -9 °C | | |
| Evaporation rate | <i>No data available</i> | | |
| Auto-ignition temperature | > 200 °C | | |
| Upper/lower flammability or explosive limits | 0.8 - 12 Vol-% | | |
| Vapour pressure | 5,500 hPa | 20 °C | |
| Density | 0.72 g/cm ³ | 20 °C | |
| Water solubility | | | ② Not miscible or only slightly miscible. |
| Kinematic viscosity | 20.5 mm ² /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

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

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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.

SECTION 11: Toxicological information

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

| |
|--|
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 |
| LD₅₀ oral: >2,000 mg/kg (Rat) |
| LD₅₀ dermal: >2,000 mg/kg (Rat) |
| LC₅₀ Acute inhalation toxicity (gas): >25 ppmV 4 h (Rat) |
| LC₅₀ Acute inhalation toxicity (vapour): >20 mg/L 6 h (Rat) |
| carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9 |
| ATE (inhalation, vapour): 259,354 mg/L |
| LD₅₀ oral: ≥5,000 mg/kg (Ratte) |
| LD₅₀ dermal: ≥5,000 mg/kg (Kaninchen) |
| LC₅₀ Acute inhalation toxicity (dust/mist): ≥50 mg/L 4 h (Ratte) |

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| |
|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6 |
| LD₅₀ oral: >5,000 mg/kg (Rat) OECD 401 |
| LD₅₀ dermal: >2,920 mg/kg (Rabbit) |
| LC₅₀ Acute inhalation toxicity (gas): >20 ppmV 4 h (Rat) OECD 403 |
| LC₅₀ Acute inhalation toxicity (vapour): >25.2 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:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

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:

May cause drowsiness or dizziness.

STOT-repeated exposure:

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

Aspiration hazard:

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties:

None of the ingredients are included.

SECTION 12: Ecological information

* 12.1. Toxicity

| |
|---|
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 |
| LC₅₀: >1,000 mg/L 4 d (fish) |
| EC₅₀: >1,000 mg/L 2 d (crustaceans) |
| LC₅₀: 9,640 mg/L 4 d (fish, Pimephales promelas) |
| LC₅₀: 9,714 mg/L 1 d (Daphnia magna) |
| EC₅₀: >100 mg/L (Algae/water plant, Bacteria) |
| LOEC: 1,000 mg/L (Alge) |
| EC₅₀: >100 mg/L 2 d (crustaceans, Daphnia magna) |
| ErC₅₀: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) |
| LOEC: 1,000 mg/L (Algae/water plant, Algae) |

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| |
|--|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6 |
| LC₅₀ : 11.4 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i>) OECD 203 |
| EC₅₀ : 3 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD 202 |
| NOEC : 0.17 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) |
| LOEC : 0.32 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) |
| EC₅₀ : 30 - 100 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>) |
| LC₅₀ : >1 - 10 mg/L 4 d (fish, <i>Pimephales promelas</i>) |
| EC₅₀ : >1 - 10 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) |
| NOEC : 2.045 mg/L 28 d (fish, <i>Oncorhynchus mykiss</i>) |
| NOEC : 1 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD 211 |
| ErC₅₀ : 10 - 30 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>) OECD 201 |
| LOEC : 0.32 mg/L 21 d (<i>Daphnia magna</i>) |
| LC₅₀ : 11.4 mg/L 4 d (fish) |

Aquatic toxicity:

No further relevant information available.

12.2. Persistence and degradability

| |
|---|
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 |
| Biodegradation : Yes, rapidly |
| Remark : Readily biodegradable (according to OECD criteria). |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6 |
| Biodegradation : Yes, rapidly |

Biodegradation:

Not readily biodegradable.

Additional information:

No further relevant information available.

12.3. Bioaccumulative potential

| |
|---|
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 |
| Log K_{ow} : 0.05 |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane EC No.: 921-024-6 |
| Log K_{ow} : 5.2 |
| Bioconcentration factor (BCF) : 250 |

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

| |
|---|
| propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 |
| Results of PBT and vPvB assessment : — |
| carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9 |
| Results of PBT and vPvB assessment : — |
| Aliphatic hydrocarbons |
| 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 : — |

The product does not meet the PBT/vPvB criteria.

12.6. Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

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12.7. Other adverse effects

Toxic to fish.

Toxic to aquatic life.

Do not allow to enter into surface water or drains.

Drinking water hazard even when small quantities leak into the subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Must not be disposed of together with household waste. Do not allow to enter into surface water or drains.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV Directive 2008/98/EC (Waste Framework Directive)

| | |
|-------|---|
| HP 3 | Flammable |
| HP 4 | Irritant — skin irritation and eye damage |
| HP 5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |
| HP 14 | Ecotoxic |

Waste code packaging





| | |
|----------|--------------------|
| 15 01 04 | metallic packaging |
|----------|--------------------|

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 ID number | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | | | |
| AEROSOLS | AEROSOLS | AEROSOLS | AEROSOLS, flammable |
| 14.3. Transport hazard class(es) | | | |
|  2.1 |  2.1 |  2.1 |  2.1 |
| 14.4. Packing group | | | |
| | | - | |
| 14.5. Environmental hazards | | | |
| No | No | No | 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: Attention: Gases | Special Provisions: 190 327 344 625 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E0 Classification code: 5F Remark: Attention: Gases | 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: Attention: Gases | Special Provisions: A145 A167 Limited quantity (LQ): Y203 Excepted Quantities (EQ): E0 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):

Hazard categories:

- P3b 'Flammable' aerosols Category 1 or 2, not containing flammable gases Category 1 or 2 nor flammable liquids Category 1
- E2 Hazardous to the Aquatic Environment in Category Chronic 2

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: 694.8 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

| | |
|-------|--|
| 3.2. | Mixtures |
| 8.1. | Control parameters |
| 9.1. | Information on basic physical and chemical properties |
| 9.2. | Other information |
| 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 |

* 16.2. 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 |

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| | |
|------------------|---|
| CLP | Classification, Labelling and Packaging |
| DNEL | derived no-effect level |
| EC ₅₀ | 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 |
| 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 |
| 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 |
| 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 |
|--|--|--------------------------|
| aerosol dispensers and lighters (<i>Aerosol 1</i>) | H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated. | |
| Aspiration hazard (<i>Asp. Tox. 1</i>) | H304: May be fatal if swallowed and enters airways. | |
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | |
| STOT-single exposure (<i>STOT SE 3</i>) | H336: May cause drowsiness or dizziness. | |
| Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>) | H411: Toxic to aquatic life with long lasting effects. | |

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

No data available

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.

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