Solvix 500ml

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

1.1. Product identifier
Trade name/designation:

Solvix 500ml

Article No.:
X204001

UFI:
529D-17GA-8H0A-4UPR

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture:
Surface 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 *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	On basis of test data.
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation method.

* 2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS07
Exclamation mark

Signal word: Danger

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Hazard components for labelling:
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics; propan-2-ol

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

Hazard statements for health hazards	
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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

Precautionary statements	
P103	Read carefully and follow all instructions.

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection/face protection.

Precautionary statements Response	
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary statements Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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
No data available

SECTION 3: Composition/information on ingredients

*
3.2. Mixtures
Description:
Active ingredient mixture with propellant gas
Additional information:
Regulation (EC) No. 648/2004 [Detergents regulation]:
aliphatic hydrocarbons ≥30%
aromatic hydrocarbons ≥5 - <15%

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

Solvix 500ml

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 919-857-5 REACH No.: 01-2119463258-33	**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics** Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336) Danger **Acute Toxicity Estimate** ATE (oral) 5,000 mg/kg ATE (dermal) 2,000 mg/kg ATE (inhalation, vapour) 4.951 mg/L ATE (inhalation, dust/mist) 5.6 mg/L **Additional information:** EUH066	75 – < 100 weight-%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	**propan-2-ol** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger **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 weight-%
EC No.: 905-588-0 REACH No.: 01-2119488216-32	**Reaction mass of ethylbenzene and xylene** Acute Tox. 4 (H312, H332), Aquatic Chronic 3 (H412), Asp. Tox. 1 (H304), Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), STOT RE 2 (H373), STOT SE 3 (H335), Skin Irrit. 2 (H315) Danger **Acute Toxicity Estimate** ATE (oral) > 3,523 mg/kg ATE (dermal) 1,100 mg/kg ATE (inhalation, gases) 27.571 ppmV ATE (inhalation, vapour) 11 mg/L **Additional information:** cumene (<0,1%), Toluene (≤2%)	2.5 – < 10 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

In case of skin contact:
In general, the product is not irritating to skin.

After 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 data available

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 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 data available

5.3. Advice for firefighters
Special protective equipment: Put on breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Wear protective equipment. Keep unprotected persons away.
6.1.2. For emergency responders
No data available
6.2. Environmental precautions
Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities.
6.3. Methods and material for containment and cleaning up
For cleaning up:
Do not wash away with water or aqueous detergents.
Other information:
Provide adequate ventilation.
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)
No data available

SECTION 8: Exposure controls/personal protection

* **8.1. Control parameters**

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	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/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) from 25 Sept 2018	**Reaction mass of ethylbenzene and xylene** EC No.: 905-588-0	② 100 ppm (442 mg/m³) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	**Reaction mass of ethylbenzene and xylene** EC No.: 905-588-0	① 50 ppm (221 mg/m³) ② 100 ppm (442 mg/m³) ⑤ (may be absorbed through the skin)
MAK (AT) from 25 Sept 2018	**Reaction mass of ethylbenzene and xylene** EC No.: 905-588-0	① 50 ppm (221 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, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	1,500 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	900 mg/m³	① DNEL Consumer ② Acute - inhalation, systemic effects
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	300 mg/kg bw/day	① DNEL worker ② Acute – dermal, systemic effects
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	300 mg/kg bw/day	① DNEL worker ② Acute – 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
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

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Substance name	DNEL value	① DNEL type ② Exposure route
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	77 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	14.8 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	289 mg/m³	① DNEL worker ② Acute - inhalation, local effects
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	180 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	108 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	1.6 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
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	0.327 mg/L	① PNEC aquatic, marine water
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	6.58 mg/L	① PNEC sewage treatment plant
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	12.46 mg/L	① PNEC sediment, freshwater
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	12.46 mg/L	① PNEC sediment, marine water
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	2.31 mg/kg	① PNEC soil

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:
The glove material must be impermeable and resistant to the product/the substance/the preparation. Due to the lack of tests, no recommendation can be made on the glove material for the product/preparation/ mixture of chemicals. mixture of chemicals. Selection of glove material considering breakthrough times, permeation rates and degradation. Wear gloves for protection against chemicals according to EN 374.
Gloves / solvent resistant
Breakthrough times and swelling properties of the material must be taken into consideration.
Glove material:
The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
NBR (Nitrile rubber)
Recommended material thickness: ≥ 0,5 mm
Permeation time (maximum wear duration):
For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with the preference for a breakthrough time greater than 480 minutes. For short term or splash protection we recommend the same. We are aware that suitable gloves offering this protection are not available. In this case, a shorter breakthrough time is permissible, provided the procedures for maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance the 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. Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols. 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

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Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*not applicable*		② Mixture is not polar/aprotic.
Initial boiling point and boiling range	82 °C		② propan-2-ol
Flash point	13 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	270 °C		
Upper/lower flammability or explosive limits	0.6 – 12 Vol-%		
Vapour pressure	2.7 hPa	20 °C	② Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics
Density	0.79 g/cm³	20 °C	
Water solubility	Immiscible		② Not miscible or only slightly miscible.
Dynamic viscosity			② 7.500 - 10.500 Brookfield sp3 6 rpm 4.000 - 6000 Brookfield sp3 12 rpm

* **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.
Organic solvents: 97,5 %

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

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**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5
LD_{50} oral: 5,000 mg/kg (Rat) OECD 401
LD_{50} dermal: 2,000 mg/kg (Rat) OECD 402
LC_{50} Acute inhalation toxicity (vapour): 4.951 mg/L 4 h (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): 5.6 mg/L 4 h (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)
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0
ATE (dermal): 1,100 mg/kg
ATE (inhalation, vapour): 11 mg/L
LD_{50} oral: >3,523 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (gas): 27.571 ppmV 4 h (Rat)
LC_{50} Acute inhalation toxicity (vapour): 29,000 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.

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

11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included.

SECTION 12: Ecological information

*

12.1. Toxicity

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5
LC_{50}: 1,000 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: 1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
LC_{50}: >1,000 mg/L 4 d (fish, Regenbogenforelle) OECD 203
EC_{50}: 1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 202
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202

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	
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	
LC_{50}: 8.9 – 16.4 mg/L 4 d (fish, Pimephales promelas)	
EC_{50}: 3.2 – 9.5 mg/L 2 d (crustaceans, Daphnia magna)	
NOEC: 0.44 mg/L 3 d (Algae/water plant)	
LC_{50}: 2.6 mg/L 4 d (fish, Oncorhynchus mykiss)	
EC_{50}: 2.2 mg/L 3 d (Algae/water plant, Chlorella vulgaris)	
NOEC: >1.39 mg/L (fish, Oncorhynchus kisutch)	
NOEC: 0.74 mg/L (crustaceans, Ceriodaphnia dubia)	
LC_{50}: 8.9 – 16.4 mg/L 4 d (Pimephales promelas)	
EC_{50}: 3.2 – 9.5 mg/L 2 d (Daphnia magna)	

Aquatic toxicity:
No further relevant information available.

* **12.2. Persistence and degradability**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	
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).	

Biodegradation:
Not readily biodegradable.

Additional information:
No further relevant information available.

* **12.3. Bioaccumulative potential**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics EC No.: 919-857-5	
Log K_{OW}: > 4	
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	
Log K_{OW}: 0.05	
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0	
Log K_{OW}: 3.16	
Bioconcentration factor (BCF): 29	

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, C9-C11, n-alkanes, isoalkanes, cyclenes, <2% aromatics	EC No.: 919-857-5
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: —	
Reaction mass of ethylbenzene and xylene	EC No.: 905-588-0
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.

* **12.7. Other adverse effects**

water hazard class 2: obviously hazardous to water
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 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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
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	**Special Provisions:** 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** Siehe SV277	**Special Provisions:** A145 | A167 **Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
Classification code: 5F **Tunnel restriction code:** (D) **Remark:** Attention: Gases	**Classification code:** 5F **Remark:** Attention: Gases	**Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U **Remark:** Attention: Gases Stowage Code: SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.	**Remark:** Attention: Gases Limited quantity (LQ): On passenger aircraft/rail: 75kg On cargo aircraft only: 150kg

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

Restrictions on use:

Directive 2012/18/EU
Named dangerous substances - ANNEX I: None of the ingredients are included.
Seveso category P3b FLAMMABLE AEROSOLS
Quantity threshold (in tons) for use in lower class farms 500t
Quantity threshold (in tons) for use in upper-tier establishments 5000t
Regulation (EC) No 1907/2006 ANNEX XVII: Restriction conditions: 3
Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II: None of the ingredients are included.
Regulation (EU) 2019/1148
Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVES (upper concentration limit for a permit pursuant to Article 5(3)): None of the ingredients are included.
Annex II - EXPLOSIVES REPORTABLE FOR EXPLOSIVES: None of the ingredients are included.
Regulation (EC) No 273/2004 on drug precursors: None of the ingredients are included.
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries: None of the ingredients are included.

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:
• P3b 'Flammable' aerosols Category 1 or 2, not containing flammable gases Category 1 or 2 nor flammable liquids Category 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: 770.3 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

1.3.	Details of the supplier of the safety data sheet
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
7.3.	Specific end use(s)
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
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.7.	Other adverse effects
13.1.	Waste treatment methods
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

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
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 *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	On basis of test data.
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation method.

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

Solvix 500ml

* Data changed compared with the previous version.