Supersolv 562ml

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

1.1. Product identifier

Trade name/designation:

Supersolv 562ml

Article No.:
T498001

UFI:
XNPD-11VD-EE0N-SMYJ

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

Use of the substance/mixture:
Degreasing agents

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 3)*	H229: Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Carcinogenicity *(Carc. 2)*	H351: Suspected of causing cancer.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (If swallowed)	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:

GHS07
Exclamation mark

GHS08
Health hazard

Signal word: Warning

Hazard components for labelling:
dichloromethane

Hazard statements for physical hazards	
H229	Pressurised container: May burst if heated.

Hazard statements for health hazards	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure. (If swallowed)

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention	
P201	Obtain special instructions before use.
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.
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/protective clothing and eye protection/face protection.

Precautionary statements Response	
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor.

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

Additional information:
less than 5%: aliphatic hydrocarbons
30% and more: halogenated hydrocarbons

2.3. Other hazards

Other adverse effects:
The mixture does not contain any substance of very high concern (SVHC) >= 0.1 % published by the European Chemical Agency (ECHA) according to Article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table. The mixture does not meet the criteria applied to PBT and vPvB mixtures, according to Annex XIII of REACH Directive (EC) No 1907/2006. The mixture does not contain any substance >=0.1% that is classified as a substance of very high concern (SVHC) according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 has endocrine disrupting properties.

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.: 75-09-2 EC No.: 200-838-9 REACH No.: 01-2119480404-41	**dichloromethane** Carc. 2 (H351), Eye Irrit. 2 (H319), STOT RE 2 (H373), STOT SE 3 (H335, H336), Skin Irrit. 2 (H315)  Warning **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) 86 mg/L	50 – < 100 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	2.5 – < 10 Vol-%
CAS No.: 124-38-9 EC No.: 204-696-9	**carbon dioxide** Press. Gas (Ref. Liq.) (H281)  Warning **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-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation:

In case of inhalation of large quantities, remove the person to fresh air, keep warm and immobilise. Place unconscious person in recovery position. In any case, notify a doctor to assess whether observation and in-patient symptomatic treatment are required. If breathing is irregular or stopped, give artificial respiration and call a doctor. Consult a doctor.

In case of skin contact:

Remove soiled and soaked clothing and wash skin thoroughly with soap and water or a suitable detergent. Check for product residues between skin and clothing, wristwatch, shoes, etc. In the event of extensive contamination and/or injury to the skin, a doctor must be consulted or the affected person transferred to hospital. In case of irritation, consult a doctor.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
In case of eye irritation consult an ophthalmologist.

Following ingestion:

Do not allow anything to be taken by mouth. If small amounts are ingested (not more than one sip), rinse mouth with water and consult a doctor. Keep at rest. Do NOT induce vomiting. Seek medical advice immediately and show this container or label.

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

For further information on health hazards: see section 11.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Non-flammable.
Water mist, Foam, ABC-powder, BC-powder, Carbon dioxide
Unsuitable extinguishing media:
Water jet

5.2. Special hazards arising from the substance or mixture
In case of fire, dense black smoke is often produced. Exposure to decomposition products can be harmful to health. Do not inhale smoke.
Hazardous combustion products:
Carbon monoxide (CO), Carbon dioxide (CO2), Carbon monoxide dichloride (CCl2O), Hydrogen chloride (HCl), Chlorine (Cl2), Varied hydrocarbons, aldehydes

5.3. Advice for firefighters
Due to the toxicity of the gases produced during thermal decomposition, use self-contained breathing apparatus (insulating equipment). Collect contaminated extinguishing water separately. Do not empty it into the pipes. Cool tanks and parts exposed to heat flow that are not on fire with water. Remove all sources of ignition.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Wear personal protection equipment (refer to section 8). Avoid breathing vapours. Avoid contact with eyes and skin. In case of spillage/release of large quantities, remove uninvolved persons and allow only trained personnel with protective equipment to intervene.

6.1.2. For emergency responders
Personal protection equipment:
Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions
Stop and collect leaks or spills with liquid-binding, non-combustible material, e.g.: Sand, earth, universal binder, diatomaceous earth in drums for disposal of waste. Prevent entry into drains or watercourses. If the product pollutes watercourses, rivers or sewage systems, inform the competent authorities in accordance with the prescribed procedure. Set up canisters for disposal of waste generated in accordance with applicable regulations (see section 13).

6.3. Methods and material for containment and cleaning up
For cleaning up:
Preferably clean with a detergent, do not use organic solvents.
Stop and collect leaks or spills with liquid-binding, non-combustible material, e.g.: Sand, earth, universal binder, diatomaceous earth in drums for disposal of waste. Prevent entry into drains or watercourses. If the product pollutes watercourses, rivers or sewage systems, inform the competent authorities in accordance with the prescribed procedure. Set up canisters for disposal of waste generated in accordance with applicable regulations (see section 13).

6.4. Reference to other sections
See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Precautions for safe handling:
Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Ensure good ventilation/extraction at the workplace. Avoid contact with skin, eyes and clothes. Avoid breathing dust/mist.

Advices on safe handling:
For personal protection, see section 8. Observe label information and occupational health and safety regulations. Do not inhale aerosol. Avoid inhalation of vapours. Carry out any industrial work with possible formation of vapours/mist etc. in closed apparatus. Provide vapour extraction at the source of emission and general room ventilation. In addition, provide suitable respiratory protective equipment for short-term work and emergency interventions. Always collect emissions at source. Do not allow mixture to come into contact with skin and eyes. Store opened packaging carefully closed and upright.

Improper equipment and method of operation:
Smoking, eating and drinking are prohibited in the premises where the mixture is used. Never open packages with pressure.

Fire prevent measures:

Use only outdoors or in a well-ventilated area. Do not open container by force.
Prevent access for unauthorised persons.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store in a well-ventilated place. Keep container tightly closed. Store in a cool dry place. Keep only in original packaging. The floor must be impermeable and form a catch basin so that no liquid can leak out in the event of an unforeseen spillage. Protect from sunlight. Do no expose to temperatures exceeding 50 °C.

Further information on storage conditions:

Store away from heat, weather, moisture and frost.

7.3. Specific end use(s)

Recommendation:

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)	**dichloromethane** CAS No.: 75-09-2 EC No.: 200-838-9	① 50 ppm (175 mg/m³) ⑤ (kann über die Haut aufgenommen werden) III B, H
MAK (AT)	**dichloromethane** CAS No.: 75-09-2 EC No.: 200-838-9	② 200 ppm (700 mg/m³) ⑤ (max. 2x30 min./Schicht, kann über die Haut aufgenommen werden) III B, H
IOELV (EU) from 22 Feb 2017	**dichloromethane** CAS No.: 75-09-2 EC No.: 200-838-9	① 100 ppm (353 mg/m³) ② 200 ppm (706 mg/m³) ⑤ (may be absorbed through the skin)

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)	**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)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
BLV (EU) from 1 Jun 2014	**dichloromethane** CAS No.: 75-09-2 EC No.: 200-838-9	3 mg	① Methylene chloride ② urine ③ no restriction
BLV (EU) from 1 Jun 2014	**dichloromethane** CAS No.: 75-09-2 EC No.: 200-838-9	1 mg/L	① Methylene chloride ② blood ③ no restriction

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	353 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	706 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	88.3 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	353 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	12 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	5.82 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	0.06 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

Substance name	DNEL value	① DNEL type ② Exposure route
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

Substance name	PNEC Value	① PNEC type
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	0.31 mg/L	① PNEC aquatic, freshwater
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	0.031 mg/L	① PNEC aquatic, marine water
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	26 mg/L	① PNEC sewage treatment plant
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	2.57 mg/kg	① PNEC sediment, freshwater
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	0.26 mg/kg	① PNEC sediment, marine water
dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	0.33 mg/kg	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Avoid contact with eyes. Use eye protection against liquid splashes. Safety goggles complying with standard EN 166 must be worn at all times during use. In case of increased danger, use a face shield to protect the face. Wearing prescription glasses does not constitute protection. Contact lens wearers are advised to use corrective lenses during work where irritating fumes may be generated. Provide eye shower systems in the premises where the product is used.

Skin protection:

Hand protection:
Wear suitable protective gloves in case of prolonged or repeated skin contact.
Use suitable chemical-resistant protective gloves according to standard EN ISO 374-1. Gloves must be chosen according to the use and duration of use in the workplace. Protective gloves must be chosen according to the workplace: other chemicals could be changed, physical protection required (cutting, pricking, thermal protection), dexterity required.
Glove material:
- PVA (Polyvinyl alcohol)
- PE (polyethylene)
- Polytetrafluoroethylene (PTFE)
- Hexafluoropropylene-vinylidene fluoride copolymer

Body protection:
Avoid prolonged skin contact.
In case of heavy splashing, wear liquid-tight chemical protective clothing (type 3) according to EN 14605/ A1 to avoid any skin contact. If there is a risk of splashing, wear chemical protective clothing (type 6)

according to EN 13034/A1 to avoid any skin contact. Personnel must wear regularly washed work clothes. After contact with the product, all soiled parts of the body must be washed.

Respiratory protection:

Avoid breathing vapours.
In case of inadequate ventilation wear respiratory protection.
When workers are exposed to concentrations exceeding the exposure limits, they must wear appropriate and approved respiratory protective equipment.
Type of FFP mask:
Wear a disposable half mask with aerosol filtering function according to standard EN 149/A1.
Class:
- FFP1
- FFP2
- FFP3

Gas and steam filter (combi-filter) according to standard EN 14387
- A1 (brown)
- AX (brown)

Particle filter device (EN 143):
- P1 (white)
- P (white)

Other protection measures:

Use clean and properly maintained personal protective equipment. Keep personal protective equipment in a clean place, away from the work area. Do not eat, drink or smoke during use. Remove and wash contaminated clothing before reuse. Provide adequate ventilation, especially in enclosed spaces.

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: not determined
Odour: not determined
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	*No data available*		
Flash point	*No data available*		
Evaporation rate	*No data available*		
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	*No data available*		
Relative density	1.2 – 1.3	20 °C	
Bulk density	*not applicable*		
Water solubility	practically insoluble		
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		

9.2. Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
At high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, smoke or nitrogen oxide.

10.4. Conditions to avoid
Heat, exposure to light, electrical charge
Remove all sources of ignition.

10.5. Incompatible materials
Oxidizing agent, metals, Acids, alkalines

10.6. Hazardous decomposition products
Carbon monoxide (CO), Carbon dioxide (CO2), Carbon monoxide dichloride (CCl2O), Hydrogen chloride (HCl), Chlorine (Cl2), Varied hydrocarbons, aldehydes

SECTION 11: Toxicological information

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

dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9
ATE (inhalation, vapour): 86 mg/L
LD_{50} oral: >2,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat) OECD 402
LC_{50} Acute inhalation toxicity (vapour): 86 mg/L 4 h (Mouse)
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
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)

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:
May cause reversible skin damage such as skin inflammation or redness and scabbing or appearance of oedema as a result of exposure for a duration of up to 4 hours. Prolonged or repeated contact with the substance may eliminate the natural oily film of the skin and therefore cause non-allergic contact dermatitis and penetration of the epidermis.

Serious eye damage/irritation:
May cause reversible effects to the eye, such as eye irritation, which completely resolves in an observation period of 21 days. Splashes in the eyes may cause irritation and reversible damage.

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:
Suspected human carcinogenic effect.

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

STOT-repeated exposure:
\P:b10f7ed4-e21e-4010-ab71-4f328a49b43f\

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

Additional information:
Irritant effects may lead to functional impairment of the respiratory system and may be accompanied by symptoms such as coughing, pain, dyspnoea and general difficulty in breathing. Narcotic effects may occur, such as drowsiness, narcotic effect, decreased alertness, loss of reflexes, incoordination and dizziness. They may also manifest as severe headache or nausea and lead to decreased judgment, drowsiness, irritability, fatigue or memory impairment. May cause damage to organs through prolonged or repeated exposure. Risk of serious injury to the lungs (through inhalation). Liver injury may occur. Damage to the central nervous system, liver, kidneys, blood and spinal cord if swallowed.

11.2. Information on other hazards

Endocrine disrupting properties:
No further relevant information available.

SECTION 12: Ecological information

12.1. Toxicity

dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	
LC_{50}: 193 mg/L 4 d (fish, Pimephales promelas)	
NOEC: 83 mg/L 28 d (fish, Pimephales promelas)	
EC_{50}: 27 mg/L 2 d (crustaceans, Daphnia magna)	
ErC_{50}: >662 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata)	
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)	

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.
Do not allow to enter into surface water or drains.

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9
Biodegradation: Yes, slowly
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
Biodegradation: Yes, rapidly

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9	
Log K_{OW}: 1.25	
Bioconcentration factor (BCF): < 100	
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9	
Log K_{OW}: 3.6	

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

dichloromethane CAS No.: 75-09-2 EC No.: 200-838-9
Results of PBT and vPvB assessment: —
Hydrocarbons, C6, iso-alkanes, <5% n-hexane EC No.: 931-254-9
Results of PBT and vPvB assessment: —
carbon dioxide CAS No.: 124-38-9 EC No.: 204-696-9
Results of PBT and vPvB assessment: —

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

12.6. Endocrine disrupting properties
No further relevant information available.

12.7. Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Waste treatment options
Appropriate disposal / Package:
Uncleaned packaging: Only dispose of the container when it is empty. Do not remove the label(s) on the container. Return to an authorised disposal company.

13.2. Additional information
Waste disposal must be carried out without risk to people and the environment, in particular to water, air, soil, fauna and flora. Disposal or recycling in accordance with valid legislation preferably by an authorised waste collector or a specialist waste management company. Do not contaminate soil or groundwater, do not dispose of waste in the environment.

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, toxic	AEROSOLS, toxic	AEROSOLS, toxic	AEROSOLS, toxic
14.3. Transport hazard class(es)			
 2.2 6.1	 2.2 6.1	 2.2 6.1	 2.2 6.1
14.4. Packing group			
		-	

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special Provisions: 190 | 327 | 344 | 625 **Limited quantity (LQ):** 120 ml **Excepted Quantities (EQ):** E0 **Classification code:** 5T **Tunnel restriction code:** (D)	**Special Provisions:** 190 | 327 | 344 | 625 **Limited quantity (LQ):** 120 ml **Excepted Quantities (EQ):** E0 **Classification code:** 5T	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** See SV277 **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U	**Special Provisions:** A145 | A167 A802 **Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0 **Remark:** IATA Packing Instructions - Passenger: 203 IATA Maximum Quantity - Passenger: 75 kg IATA-Verpackungsanweisung - Cargo: 203 IATA Maximum Quantity - Cargo: 150 kg

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
Authorisations:
Regulation (EC) No 1272/2008, as amended by Regulation (EU) No 2018/669 (ATP 11).

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 100 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

8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
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
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
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
aerosol dispensers and lighters *(Aerosol 3)*	H229: Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Carcinogenicity *(Carc. 2)*	H351: Suspected of causing cancer.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (If swallowed)	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.