Techno Bumper 500ml

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

1.1. Product identifier

Trade name/designation:

Techno Bumper 500ml

Article No.:
T999890

UFI:
Y0H1-TFKD-SDP0-QN1U

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

Use of the substance/mixture:
Aerosol coating

* 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.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure.	
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:

GHS02
Flame

GHS07
Exclamation mark

GHS08
Health hazard

Signal word: Danger

Hazard components for labelling:
Reaction mass of ethylbenzene and xylene; Acetone; Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene); Butanone; Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

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.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

Hazard statements for environmental hazards	
H412	Harmful 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/eye 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.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor.

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.
Determination of endocrine disrupting properties: Butanone (78-93-3)

SECTION 3: Composition/information on ingredients

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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.

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 115-10-6 EC No.: 204-065-8 REACH No.: 01-2119472128-37	**dimethyl ether** Flam. Gas 1A (H220), Press. Gas (Liq.) (H280)  Danger **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 308.5 ppmV ATE (inhalation, dust/mist) 308.5 mg/L	25 – < 50 Vol-%
EC No.: 905-588-0 REACH No.: 01-2119488216-32-XXXX	**Reaction mass of ethylbenzene and xylene** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) > 3,523 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 27.571 ppmV ATE (inhalation, vapour) 29,000 mg/L	10 – < 25 Vol-%
CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8 REACH No.: 01-2119471330-49	**Acetone** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger EUH066 **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) > 20 mg/kg ATE (inhalation, gases) > 20 ppmV ATE (inhalation, vapour) > 50 mg/L ATE (inhalation, dust/mist) 76 mg/L	2.5 – < 10 Vol-%
CAS No.: 78-93-3 EC No.: 201-159-0 Index No.: 606-002-00-3 REACH No.: 01-2119457290-43	**Butanone** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger EUH066 **Acute Toxicity Estimate** ATE (oral) > 2,193 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) 34 mg/L	2.5 – < 10 Vol-%
EC No.: 920-750-0 REACH No.: 01-2119473851-33	**Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)** Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 3,100 mg/kg ATE (inhalation, dust/mist) > 23.3 mg/L	2.5 – < 10 Vol-%
CAS No.: 123-86-4 EC No.: 204-658-1 REACH No.: 01-2119485493-29	**n-butyl acetate** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) 10,800 mg/kg ATE (dermal) > 17,600 mg/kg ATE (inhalation, gases) > 21 ppmV ATE (inhalation, vapour) > 21 mg/L	2.5 – < 10 Vol-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 61789-72-8 EC No.: 263-081-3	**Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides** Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1B (H314)  Danger **Acute Toxicity Estimate** ATE (oral) 500 mg/kg	≥ 0.25 – < 1 Vol-%
CAS No.: 162627-17-0 EC No.: 605-296-0 REACH No.: 01-2119970640-38	**Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine** Skin Sens. 1A (H317)  Warning	0.1 – < 1 Vol-%
CAS No.: 107-98-2 EC No.: 203-539-1 REACH No.: 01-2119457435-35	**1-methoxypropan-2-ol** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) 4,016 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 28.8 ppmV	0.1 – < 1 Vol-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:
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 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.

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.

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)	**dimethyl ether** CAS No.: 115-10-6 EC No.: 204-065-8	① 1,000 ppm (1,910 mg/m³)
MAK (AT)	**dimethyl ether** CAS No.: 115-10-6 EC No.: 204-065-8	② 2,000 ppm (3,820 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)

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
IOELV (EU)	**dimethyl ether** CAS No.: 115-10-6 EC No.: 204-065-8	① 1,000 ppm (1,920 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)
MAK (AT)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	② 2,000 ppm (4,800 mg/m³) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,210 mg/m³)
MAK (AT)	**Acetone** CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,200 mg/m³)
MAK (AT)	**Butanone** CAS No.: 78-93-3 EC No.: 201-159-0	① 100 ppm (295 mg/m³) ⑤ (kann über die Haut aufgenommen werden) H
MAK (AT)	**Butanone** CAS No.: 78-93-3 EC No.: 201-159-0	② 200 ppm (590 mg/m³) ⑤ (max. 4x30 min./Schicht, kann über die Haut aufgenommen werden) H
IOELV (EU)	**Butanone** CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m³) ② 300 ppm (900 mg/m³)
MAK (AT) from 10 Apr 2021	**n-butyl acetate** CAS No.: 123-86-4 EC No.: 204-658-1	① 50 ppm (241 mg/m³) ② 100 ppm (480 mg/m³)
IOELV (EU) from 20 Nov 2019	**n-butyl acetate** CAS No.: 123-86-4 EC No.: 204-658-1	① 50 ppm (241 mg/m³) ② 150 ppm (723 mg/m³)
IOELV (EU)	**1-methoxypropan-2-ol** CAS No.: 107-98-2 EC No.: 203-539-1	① 100 ppm (375 mg/m³) ② 150 ppm (568 mg/m³) ⑤ (may be absorbed through the skin)
MAK (AT)	**1-methoxypropan-2-ol** CAS No.: 107-98-2 EC No.: 203-539-1	① 50 ppm (187 mg/m³) ② 50 ppm (187 mg/m³) ⑤ (Momentanwert, kann über die Haut aufgenommen werden) H

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
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	1,894 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	471 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
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
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	1,210 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	200 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	2,420 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	186 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	600 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	106 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	1,161 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	412 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	31 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	DNEL value	① DNEL type ② Exposure route
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0	2,035 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0	608 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0	773 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0	699 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0	699 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	300 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	35.7 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	600 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	859.7 mg/m³	① DNEL Consumer ② Acute - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	300 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	35.7 mg/m³	① DNEL Consumer ② Long-term – inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	600 mg/m³	① DNEL worker ② Acute - inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	300 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	11 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	5 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	11 mg/kg bw/day	① DNEL worker ② Acute – dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	5 mg/kg bw/day	① DNEL Consumer ② Acute – dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	2 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	2 mg/kg bw/day	① DNEL Consumer ② Acute – oral, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	369 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	43.9 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	553.5 mg/m³	① DNEL worker ② Acute - inhalation, local effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	50.6 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	18.1 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	3.3 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	0.155 mg/L	① PNEC aquatic, freshwater
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	0.016 mg/L	① PNEC aquatic, marine water
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	0.681 mg/kg	① PNEC sediment, freshwater
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	0.069 mg/kg	① PNEC sediment, marine water
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	0.045 mg/kg	① PNEC soil
dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8	1.549 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
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	10.6 mg/L	① PNEC aquatic, freshwater
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	1.06 mg/L	① PNEC aquatic, marine water

Substance name	PNEC Value	① PNEC type
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	100 mg/L	① PNEC sewage treatment plant
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	30.4 mg/L	① PNEC sediment, freshwater
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	3.04 mg/L	① PNEC sediment, marine water
Acetone CAS No.: 67-64-1 EC No.: 200-662-2	29.5 mg/kg	① PNEC soil
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	55.8 mg/L	① PNEC aquatic, freshwater
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	55.8 mg/L	① PNEC aquatic, marine water
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	284.7 mg/kg	① PNEC sediment, freshwater
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	709 mg/kg	① PNEC sediment, marine water
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	22.5 mg/kg	① PNEC soil
Butanone CAS No.: 78-93-3 EC No.: 201-159-0	55.8 mg/L	① PNEC aquatic, intermittent release
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.18 mg/L	① PNEC aquatic, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.015 mg/L	① PNEC aquatic, marine water
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	35.6 mg/L	① PNEC sewage treatment plant
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.981 mg/L	① PNEC sediment, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.0981 mg/L	① PNEC sediment, marine water
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.0903 mg/kg	① PNEC soil
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.36	① PNEC aquatic, intermittent release
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	10 mg/L	① PNEC aquatic, freshwater
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	1 mg/L	① PNEC aquatic, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 mg/L	① PNEC sewage treatment plant

Substance name	PNEC Value	① PNEC type
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	52.3 mg/kg	① PNEC sediment, freshwater
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	5.2 mg/kg	① PNEC sediment, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	4.49 mg/kg	① PNEC soil
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 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:
Wear gloves for protection against chemicals according to EN 374.
Gloves / solvent resistant
Selection of glove material considering breakthrough times, permeation rates and degradation.
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: Wash hands before breaks and after work. 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
Odour threshold: not determined

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	-24.8 °C		② dimethyl ether (115-10-6)
Flash point	-42 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	> 200 °C		
Upper/lower flammability or explosive limits	0.7 – 18.6 Vol-%		
Vapour pressure	5,200 hPa	20 °C	
Density	0.843 g/cm³	20 °C	
Water solubility	Immiscible		
Kinematic viscosity	≤ 20.5 mm²/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

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**

dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8
LD_{50} oral: >2,000 mg/kg
LD_{50} dermal: >2,000 mg/kg
LC_{50} Acute inhalation toxicity (gas): 308.5 ppmV 4 h (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): 308.5 mg/L 4 h (Rat)
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0
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)
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
LD_{50} oral: ≥5,000 mg/kg (Rat)
LD_{50} dermal: >20 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (gas): >20 ppmV 4 h (Rat)
LC_{50} Acute inhalation toxicity (vapour): >50 mg/L 4 h (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): 76 mg/L 4 h (Rat)
Butanone CAS No.: 78-93-3 EC No.: 201-159-0
ATE (inhalation, dust/mist): 34 mg/L
LD_{50} oral: >2,193 mg/kg (Rat) OECD 423
LD_{50} dermal: >5,000 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (dust/mist): 34 mg/L 4 h (Rat)

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)	EC No.: 920-750-0
LD_{50} oral: >5,000 mg/kg (Rat)	
LD_{50} dermal: >3,100 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (dust/mist): >23.3 mg/L 4 h (Rat)	
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1
LD_{50} oral: 10,800 mg/kg (Rat) OECD 401	
LD_{50} dermal: >17,600 mg/kg (Rabbit)	
LC_{50} Acute inhalation toxicity (gas): >21 ppmV 4 h (Rat)	
LC_{50} Acute inhalation toxicity (vapour): >21 mg/L 4 h (Rat)	
1-methoxypropan-2-ol	CAS No.: 107-98-2 EC No.: 203-539-1
ATE (oral): 4,016 mg/kg	
LD_{50} oral: 4,016 mg/kg (Rat)	
LD_{50} dermal: >2,000 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (gas): 28.8 ppmV 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:
May cause allergic reactions.

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:
butanone; ethyl methyl ketone (78-93-3)

SECTION 12: Ecological information

*

12.1. Toxicity

dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8
LC_{50}: >4,000 mg/L 2 d (crustaceans, Daphnia magna)
LC_{50}: >4,000 mg/L 4 d (fish)
EC_{50}: 155 mg/L 4 d (Algae/water plant)
LC_{50}: >4,000 mg/L 2 d (daphnia magna)
EC_{50}: 155 mg/L 4 d (Alge)
EC_{50}: 155 mg/L 4 d (algae)
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)
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
LC_{50}: 8,300 mg/L 4 d
LC_{50}: 5,540 mg/L 4 d (fish, Oncorhynchus mykiss)
LC_{50}: 4,042 mg/L (fish)
EC_{50}: 8,800 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 8,300 mg/L (fish)
EC_{50}: 302 mg/L 4 d (Algae/water plant)
NOEC: 2,212 mg/L (crustaceans, Daphnia pulex)
Butanone CAS No.: 78-93-3 EC No.: 201-159-0
LC_{50}: 2,993 mg/L 4 d (fish, Pimephales promelas) OECD 203
EC_{50}: 308 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
ErC_{50}: 1,972 mg/L 3 d (Algae/water plant, Pseudokirchnerella subcapitata) OECD 201
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0
NOEC: 0.17 mg/L 21 d (crustaceans, Daphnia magna)
LOEC: 0.32 mg/L 21 d (crustaceans, Daphnia magna)
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1
LC_{50}: 18 mg/L 4 d (fish, Pimephales promelas)
EC_{50}: 44 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 675 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus)
NOEC: 23.2 mg/L (crustaceans, Daphnia magna)
LC_{50}: 18 mg/L 4 d (fish)
EC_{50}: 44 mg/L 2 d (Daphnia magna)
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1
LC_{50}: 6,812 mg/L 4 d (fish, Leuciscus idus)
EC_{50}: 23,300 mg/L 2 d (crustaceans, Daphnia magna)
LC_{50}: 6,812 mg/L 4 d (Leuciscus idus)
LC_{50}: >1,000 mg/L 4 d (Oncorhynchus mykiss)
EC_{50}: 23,300 mg/L 2 d (Daphnia magna)

Aquatic toxicity:
No further relevant information available.

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Biodegradation: Yes, rapidly
Butanone CAS No.: 78-93-3 EC No.: 201-159-0
Biodegradation: Yes, rapidly
Remark: Readily biodegradable (according to OECD criteria).
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1
Biodegradation: Yes, rapidly
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1
Biodegradation: Yes, rapidly

Biodegradation:
Not readily biodegradable.

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Reaction mass of ethylbenzene and xylene EC No.: 905-588-0
Log K_{OW}: 3.16
Bioconcentration factor (BCF): 29
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Log K_{OW}: -0.23
Bioconcentration factor (BCF): 3
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1
Log K_{OW}: 2.3
Bioconcentration factor (BCF): 15.3
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1
Log K_{OW}: -0.44

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

dimethyl ether CAS No.: 115-10-6 EC No.: 204-065-8
Results of PBT and vPvB assessment: —
Reaction mass of ethylbenzene and xylene EC No.: 905-588-0
Results of PBT and vPvB assessment: —
Acetone CAS No.: 67-64-1 EC No.: 200-662-2
Results of PBT and vPvB assessment: —
Butanone CAS No.: 78-93-3 EC No.: 201-159-0
Results of PBT and vPvB assessment: —
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) EC No.: 920-750-0
Results of PBT and vPvB assessment: —
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1
Results of PBT and vPvB assessment: —

Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine CAS No.: 162627-17-0 EC No.: 605-296-0	
Results of PBT and vPvB assessment: —	
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
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
For information on endocrine disrupting properties see section 11.

12.7. Other adverse effects
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Drinking water hazard even when small quantities leak into the subsoil.
Water hazard class 2: obviously hazardous to water

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	**Special Provisions:** 190 | 327 | 344 | 625	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959	**Special Provisions:** A145 | A167

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
Limited quantity (LQ): 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Tunnel restriction code:** (D) **Remark:** Attention: Gases	**Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Remark:** Attention: Gases	**Limited quantity (LQ):** Siehe SV277 **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U **Remark:** Attention: Gases	**Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0 **Remark:** Attention: Gases

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:
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: Acetone (67-64-1)
Regulation (EC) No 273/2004 on drug precursors: Acetone (67-64-1), butanone; ethyl methyl ketone (78-93-3)
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries: Acetone (67-64-1), butanone; ethyl methyl ketone (78-93-3)

Other regulations (EU):
Hazard categories:
• P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

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: 622 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
3.2.	Mixtures
8.1.	Control parameters
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008

12.1.	Toxicity
16.1.	Indication of changes

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
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
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds
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.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	

Hazard classes and hazard categories	Hazard statements	Classification procedure
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure.	
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	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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

16.6. Training advice
No data available

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

* Data changed compared with the previous version.