Magic Wall 200ml

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

1.1. Product identifier

Trade name/designation:

Magic Wall 200ml

Article No.:
T250001

UFI:
N8D5-VMA3-QFKE-J4S6

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

Use of the substance/mixture:
Lacquer

Relevant identified uses:

Product Categories [PC]
PC 9a: Coatings and paints, thinners, paint removers
Process categories [PROC]
PROC 7: Industrial spraying
PROC 11: Non industrial spraying

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.	

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame

Magic Wall 200ml

Signal word: Danger

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

Supplemental hazard information	
EUH208	Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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 spray.

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

Precautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Additional information:
Formation of explosive mixtures possible without adequate ventilation.
Contains biocidal products. (2-methyl-2H-isothiazol-3-one)

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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 Index No.: 603-019-00-8 REACH No.: 01-2119472128-37	**dimethyl ether** Flam. Gas 1A (H220), Press. Gas (Comp.) (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-%
CAS No.: 13463-67-7 EC No.: 236-675-5 Index No.: 022-006-00-2 REACH No.: 01-2119489379-17	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** Carc. 2 (H351) Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 6.8 mg/L	5 – < 10 Vol-%
CAS No.: 1314-13-2 EC No.: 215-222-5 Index No.: 030-013-00-7 REACH No.: 01-2119463881-32	**zinc oxide** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410) Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) > 5,700 ppmV	≤ 0.5 Vol-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1336-21-6 EC No.: 215-647-6 Index No.: 007-001-01-2 REACH No.: 01-2119488876-14	**Ammonia, aqueous solution** Aquatic Acute 1 (H400), Eye Dam. 1 (H318), Skin Corr. 1B (H314)  Danger **Specific concentration limit (SCL)** STOT SE 3; H335: C ≥ 5% **Acute Toxicity Estimate** ATE (oral) 350 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) ≥ 50 mg/L	≤ 0.5 Vol-%
CAS No.: 2682-20-4 EC No.: 220-239-6 Index No.: 613-326-00-9 REACH No.: 01-2120764690-50	**2-methyl-2H-isothiazol-3-one** Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317)  Danger EUH071 M-factor (acute): 10 M-factor (chronic): 1 **Specific concentration limit (SCL)** Skin Sens. 1A; H317: C ≥ 0.0015% **Acute Toxicity Estimate** ATE (oral) 100 mg/kg ATE (dermal) 300 mg/kg ATE (inhalation, vapour) 0.5 mg/L ATE (inhalation, dust/mist) 0.05 mg/L	≤ 0.5 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:
Drink plenty of water. Provide fresh air. Call a physician 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:
Carbon dioxide (CO_2), Extinguishing powder, Water spray jet. Fight larger fires with water spray or alcohol-resistant foam. Adapt fire extinguishing measures to the surroundings.

5.2. Special hazards arising from the substance or mixture
Formation of toxic gases when heated or in case of fire.

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:

Use of respiratory protective equipment.
Wear protective equipment. Keep unprotected persons away.
Keep away from sources of ignition - No smoking.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information:

Dispose of contaminated material as waste according to section 13..
Provide adequate ventilation.

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:

Ensure good ventilation/extraction at the workplace. No special measures are necessary.

Fire prevent measures:

Keep away from sources of ignition - No smoking. Have breathing apparatus ready.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

The official regulations for the storage of pressurised gas packages must be observed.

Hints on storage assembly:

Not required.

Storage class (TRGS 510, Germany): 2B – Aerosol dispensers and lighters

Further information on storage conditions:

Keep container tightly closed.

7.3. Specific end use(s)

Recommendation:

No further relevant information 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)	**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)
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 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	② 10 mg/m³ ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
MAK (AT) from 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m³ ⑤ (alveolengängige Fraktion)
MAK (AT)	**zinc oxide** CAS No.: 1314-13-2 EC No.: 215-222-5	① 5 mg/m³ ⑤ (alveolengängige Fraktion)
MAK (AT)	**2-methyl-2H-isothiazol-3-one** CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.05 mg/m³ ⑤ Sh

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
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	700 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	10 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	5 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	2.5 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	0.5 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	83 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	83 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	0.83 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
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.184 mg/L	① PNEC aquatic, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.0184 mg/L	① PNEC aquatic, marine water

Substance name	PNEC Value	① PNEC type
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/L	① PNEC sewage treatment plant
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/kg	① PNEC sediment, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC sediment, marine water
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC soil
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.193 mg/L	① PNEC aquatic, intermittent release
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	6.1 mg/L	① PNEC aquatic, marine water
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	52 mg/L	① PNEC sewage treatment plant
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	117 mg/L	① PNEC sediment, freshwater
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	56.5 mg/L	① PNEC sediment, marine water
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5	35.6 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:

Not required.

Skin protection:

Not required.

Respiratory protection:
In case of short or low exposure use breathing filter apparatus; in case of intensive or prolonged exposure use self-contained breathing apparatus. Filter A2/P2

Other protection measures:
General protective and hygienic measures: Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols. Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols.

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

* ### 9.1. Information on basic physical and chemical properties

Appearance
Form: Aerosol
Colour: According to product designation
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
Initial boiling point and boiling range	*not applicable*		
Evaporation rate	*No data available*		
Auto-ignition temperature	240 °C		② 115-10-6 dimethyl ether
Upper/lower flammability or explosive limits	3.3 – 26.2 Vol-%		② 115-10-6 dimethyl ether
Vapour pressure	4,000 hPa		② 115-10-6 dimethyl ether
Density	1 g/cm³	20 °C	
Water solubility	poorly soluble		

* ### 9.2. Other information

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

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)
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LD_{50} oral: >5,000 mg/kg (Rat) OECD 425
LD_{50} dermal: >5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): >6.8 mg/L (Rat)
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (gas): >5,700 ppmV 4 h (Rat)
Ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
LD_{50} oral: 350 mg/kg (Rat)
LD_{50} dermal: ≥5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): ≥50 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. No irritant effect.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met. No irritant effect.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met. No sensitising effect known.

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

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

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)
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LC_{50}: >100 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: >100 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 16 mg/L 3 d (Algae/water plant, Pseudokirchnerie lla subcapitata) U.S. EPA-600/9- 78-018
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5
LC_{50}: 1.1 – 2.5 mg/L 4 d (fish, Oncorhynchus mykiss)
IC_{50}: 1.85 mg/L 4 d (Algae/water plant, Skeletonema costatum)
LC_{50}: 3.31 – 8.062 mg/L 4 d (fish, Brachydanio rerio)
LC_{50}: >320 mg/L 4 d (fish, Lepomis macrochirus)
EC_{50}: 1 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 0.412 – 0.83 mg/L 2 d (crustaceans, Ceriodaphnia spec.) U.S. EPA ECOTOX Database
Ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
LC_{50}: 0.89 mg/L (fish)
EC_{50}: 110 mg/L (crustaceans, Daphnia)

12.2. Persistence and degradability

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
Bioconcentration factor (BCF): 9.6
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5
Log K_{OW}: 2.2
Bioconcentration factor (BCF): 28,960

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: —
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
Results of PBT and vPvB assessment: —
zinc oxide CAS No.: 1314-13-2 EC No.: 215-222-5
Results of PBT and vPvB assessment: —
Ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
Results of PBT and vPvB assessment: —
2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

water hazard class 1 (Self-assessment): slightly hazardous to water
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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.
For Austria: Full and empty containers are to be disposed of by private end users at the responsible hazardous waste collection centre.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
15 01 04	metallic packaging
15 01 10 *	packaging containing residues of or contaminated by dangerous substances

**: Evidence for disposal must be provided.*

Waste treatment options

Appropriate disposal / Package:
The packaging must be disposed of in accordance with the Packaging Ordinance.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1
14.4. Packing group			
		-	
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special Provisions: 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F **Tunnel restriction code:** (D)	**Special Provisions:** 190 | 327 | 344 | 625 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E0 **Classification code:** 5F	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** Siehe SV277 **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U	**Special Provisions:** A145 | A167 **Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0

14.7. Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

Other regulations (EU):

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
Regulation (EC) No 1907/2006 ANNEX XVII Restriction conditions: 3

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 29.8 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

*
16.1. Indication of changes

8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
9.2.	Other information
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.7.	Additional information

*
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%
ES	Exposure scenario
EWC	European Waste Catalogue
IC_{50}	Inhibition Concentration 50 %
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
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration

PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
PROC	Process Category
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

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.	

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

Hazard statements	
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

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.