Moly Dry 400ml

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

1.1. Product identifier

Trade name/designation:

Moly Dry 400ml

Article No.:
T270001

UFI:
XUH1-ACT5-W00N-CMVT

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

Use of the substance/mixture:
Lubricating varnish

*

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.	
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.	

Additional information:
This mixture does not present an environmental risk. Under normal conditions of use, no environmentally harmful effect is known or foreseeable.

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:
butanone; butan-2-ol

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

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

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

Precautionary statements 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.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection.

Precautionary statements Response	
P312	Call a POISON CENTER/doctor if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.

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

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.: 109-87-5 EC No.: 203-714-2 REACH No.: 01-2119664781-31	**dimethoxymethane** Flam. Liq. 2 (H225) Danger	25 – ≤ 50 Vol-%
CAS No.: 78-93-3 EC No.: 201-159-0 REACH No.: 01-2119457290-43	**butanone** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger **Acute Toxicity Estimate** ATE (oral) > 2,193 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) 40 mg/L	25 – ≤ 50 Vol-%
CAS No.: 78-92-2 EC No.: 201-158-5 Index No.: 603-127-00-5 REACH No.: 01-2119475146-36	**butan-2-ol** Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), STOT SE 3 (H335, H336) Warning	10 – ≤ 25 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-%
CAS No.: 14807-96-6 EC No.: 238-877-9 REACH No.: 01-2120140278-58	**Diflufenican** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	1 – ≤ 2.5 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:
Remove casualty to fresh air and keep warm and at rest.
Consult a doctor if symptoms persist.
Do not allow anything to be taken by mouth.

In case of skin contact:
Remove contaminated, saturated clothing immediately.
After contact with skin, wash immediately with plenty of water and soap.
In case of skin reactions, consult a physician.
DO NOT use solvents or thinners.

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.
Consult a doctor if symptoms persist.

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.
Do NOT induce vomiting. Keep at rest.

Consult a doctor and show him the label.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Cool endangered containers in the vicinity of the flame with water spray to prevent the containers from bursting under pressure.
Spray mist, Water with additive AFFF (Aqueous Film Forming Foam), Halon, 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, carbon dioxide

5.3. Advice for firefighters

Due to the toxicity of the gases produced during thermal decomposition, self-contained breathing apparatus (isolation equipment) must be used.

5.4. Additional information

Flammable.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Follow protective measures in sections 7 and 8. Remove all sources of ignition. Ventilate affected area. Avoid breathing vapours. Avoid contact with eyes and skin. Wear protective equipment. Keep unprotected persons away.

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.

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:
The regulations for storage facilities apply to the premises where the mixture is worked with. Persons with a history of skin sensitisation must not use this mixture under any circumstances.
Wash hands before breaks and after work. 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/fume/gas/mist/vapours/spray.

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:

Handle in well ventilated areas. Vapours are heavier than air. They can spread on the ground and form explosive mixtures together with air. Prevent the formation of ignitable or explosive vapour-air concentrations. Avoid vapour concentrations above Avoid exposure limits. Do not spray on a flame or glowing object. Do not open by force or burn, even after use. Use the mixture in rooms without open flames or other ignition sources and with protected electrical equipment. Keep container tightly closed when not in use. Keep away from heat sources, sparks or open flames. Do not use tools that can produce sparks. Do not smoke. Prevent access for unauthorised persons.

Advices on general occupational hygiene

Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place.

Hints on storage assembly:

Keep away from sources of ignition - No smoking.

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store away from heat, weather, moisture and frost. 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.

7.3. 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)	**dimethoxymethane** CAS No.: 109-87-5 EC No.: 203-714-2	① 1,000 ppm (3,100 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)	**butan-2-ol** CAS No.: 78-92-2 EC No.: 201-158-5	① 50 ppm (150 mg/m³)
MAK (AT)	**butan-2-ol** CAS No.: 78-92-2 EC No.: 201-158-5	② 200 ppm (600 mg/m³) ⑤ (max. 4x15 min./Schicht)
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)
MAK (AT)	**Diflufenican** CAS No.: 14807-96-6 EC No.: 238-877-9	① 2 mg/m³ ⑤ (alveolengängige Fraktion)

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
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	132 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	39 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	22 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	5.7 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	9.6 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
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	212 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	52 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	405 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	203 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	15 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	14.577 mg/L	① PNEC aquatic, freshwater
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	1.4577 mg/L	① PNEC aquatic, marine water
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	10 mg/L	① PNEC sewage treatment plant
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	13.135 mg/kg	① PNEC sediment, freshwater
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	1.313 mg/kg	① PNEC sediment, marine water
dimethoxymethane CAS No.: 109-87-5 EC No.: 203-714-2	4.654 mg/kg	① PNEC soil
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	47.1 mg/L	① PNEC aquatic, freshwater
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	47.1 mg/L	① PNEC aquatic, marine water

Substance name	PNEC Value	① PNEC type
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	761 mg/L	① PNEC sewage treatment plant
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	196.19 mg/kg	① PNEC sediment, freshwater
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	196.19 mg/kg	① PNEC sediment, marine water
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	11.58 mg/kg	① PNEC soil
butan-2-ol CAS No.: 78-92-2 EC No.: 201-158-5	47.1 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

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.

8.2.2. 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:
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:
PVC (polyvinyl chloride)
NBR (Nitrile rubber)

Skin protection:
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:

When workers are exposed to concentrations exceeding the exposure limits, they must wear appropriate and approved respiratory protective equipment.
Type of FFP mask:
- 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:
Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Ensure good ventilation/extraction at the workplace.

8.2.3. Environmental exposure controls
No data available

8.3. Additional information
No further relevant information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Form: Aerosol
Colour: black
Odour: not determined
flammability: No data available
Odour threshold: not determined

Safety relevant basis data

Parameter	Value	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	0.87	
Bulk density	*not applicable*	
Water solubility	partially soluble	
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
The operation of devices/work equipment that produce flames or sparks or heat a metal surface (e.g. burners, electric arches, ovens, etc.) is not permitted in the work area/rooms. Avoid: Heating, heat, electrical charge, flames and hot surfaces, frost, ignition sources.

10.5. Incompatible materials
Acids, Oxidizing agent

10.6. Hazardous decomposition products
Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information

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

butanone CAS No.: 78-93-3 EC No.: 201-159-0	
LD_{50} oral: >2,193 mg/kg (Rat)	
LD_{50} dermal: >5,000 mg/kg (Rabbit)	
LC_{50} Acute inhalation toxicity (vapour): 40 mg/L (Mouse)	
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:
Based on available data, the classification criteria are not met.

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

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

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

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

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

STOT-single exposure:
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:
Prolonged or repeated contact with the mixture may eliminate the natural greasy film of the skin and therefore cause non-allergic contact dermatitis and penetration of the epidermis. Narcotic effects may occur, such as drowsiness, narcotic effect, decreased attention, loss of reflexes, incoordination and dizziness. They may also manifest as severe headache or nausea and lead to decreased judgement, drowsiness, irritability, fatigue or memory impairment.

Additional information:
Exposure to vapours of the solvent contained in this mixture in excess of the specified exposure limits may cause adverse health effects such as mucous membrane and respiratory tract irritation, kidney, liver and central nervous system disorders. Symptoms/signs include headache, dizziness, nausea, fatigue, muscle pain and in extreme cases unconsciousness.

11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included.

SECTION 12: Ecological information

12.1. Toxicity

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
Diflufenican	CAS No.: 14807-96-6 EC No.: 238-877-9
LC_{50}:	>100 mg/L 1 d

Aquatic toxicity:
No further relevant information available.

Additional ecotoxicological information:
No further relevant information available.

12.2. Persistence and degradability

butanone	CAS No.: 78-93-3 EC No.: 201-159-0
Biodegradation:	Yes, rapidly

Abiotic degradation:
No further relevant information available.

Biodegradation:
No further relevant information available.

12.3. Bioaccumulative potential

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

dimethoxymethane	CAS No.: 109-87-5 EC No.: 203-714-2
Results of PBT and vPvB assessment:	—
butanone	CAS No.: 78-93-3 EC No.: 201-159-0
Results of PBT and vPvB assessment:	—
butan-2-ol	CAS No.: 78-92-2 EC No.: 201-158-5
Results of PBT and vPvB assessment:	—
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9
Results of PBT and vPvB assessment:	—
Diflufenican	CAS No.: 14807-96-6 EC No.: 238-877-9
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

None of the ingredients are included.

12.7. Other adverse effects

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Waste treatment options

Appropriate disposal / Product:

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.

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.

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, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, flammable	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 **Remark:** IATA Packing Instructions - Passenger: 203 IATA Maximum Quantity - Passenger: 75kg IATA-Verpackungsanweisung - Cargo: 203 IATA Maximum Quantity - Cargo: 150kg	**Special Provisions:** 63 | 190 | 277 | 327 | 344 | 381 | 959 **Limited quantity (LQ):** Siehe SV277 **Excepted Quantities (EQ):** E0 **EmS-No.:** F-D, S-U **Remark:** Stowage Handling: - SW1 SW22	**Special Provisions:** A145 | A167 | A802 **Limited quantity (LQ):** Y203 **Excepted Quantities (EQ):** E0 **Remark:** IATA Packing Instructions - Passenger: forbidden IATA Maximum Quantity - Passenger: forbidden 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**

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
8.1.	Control parameters
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
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%
ECHA	European Chemicals Agency
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
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
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.	
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.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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.