Kölner Classic Dura Letter Spray

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

1.1 Product identifier
Trade name/designation:

Kölner Classic Dura Letter Spray

UFI:
RD40-Y0YN-J00W-JCQM

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture:
Topcoat.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KVP Kölner Vergolderprodukte GmbH
Rennmühle 3
91126 Schwabach
GERMANY
Telephone: +49 351 86268950
Telefax: +49 351 86263491
E-mail: info@kolner-vergolderprodukte.de
Website: http://kolner-vergolderprodukte.de

E-mail (competent person): info@kolner-vergolderprodukte.de

1.4 Emergency phone number

24h: +49 551 19240

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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	Data and information provided by the manufacturer
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation

2.2 Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

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Listing of ingredients:
ethyl acetate; acetone; n-butyl acetate; 2-methoxy-1-methylethyl acetate

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.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statements	
P102	Keep out of reach of children.

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.

Precautionary statements Response	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.

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

2.3 Other hazards
No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 115-10-6 EC No.: 204-065-8 REACH No.: 01-2119472128-37	**dimethyl ether** Flam. Gas 1 (H220), Press. Gas (Liq.) (H280) Danger	25 – 50 weight-%
CAS No.: 141-78-6 EC No.: 205-500-4 Index No.: 607-022-00-5 REACH No.: 01-2119475103-43	**ethyl acetate** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger EUH066	10 – 25 weight-%
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	10 – < 20 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 123-86-4 EC No.: 204-658-1 Index No.: 607-025-00-1 REACH No.: 01-2119485493-29	**n-butyl acetate** Flam. Liq. 3 (H226), STOT SE 3 (H336)  Warning EUH066 **Acute Toxicity Estimate** ATE (oral) 10,800 mg/kg ATE (dermal) 17,600 mg/kg ATE (inhalation, vapour) 1.85 mg/L	< 15 weight-%
CAS No.: 108-65-6 EC No.: 203-603-9 REACH No.: 01-2119475791-29	**2-methoxy-1-methylethyl acetate** Flam. Liq. 3 (H226), STOT SE 3 (H336)  Warning	< 2.5 weight-%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

In case of skin contact:

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness. Causes serious eye irritation.

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:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO_2).

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Heating causes rise in pressure with risk of bursting. Vapours can form explosive mixtures with air.

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (COx); Nitrogen oxides (NOx); gases/vapours, toxic.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Heating causes rise in pressure with risk of bursting. Move undamaged containers from immediate hazard area if it can be done safely. Beware of reignition. 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:

Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe gas/vapour/aerosol. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2 For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For containment:

Wipe with absorbent material (e.g. cloth, fleece). In case and large quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

For cleaning up:

Water with tenside additive, White spirit

6.4 Reference to other sections

Safe handling: see section 7.
Personal protection equipment: see section 8.
Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Provide adequate ventilation as well as local exhaustion at critical locations. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not breathe gas/vapour/aerosol. Avoid contact with eyes and skin. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Avoid contact with eyes and skin. Wash hands and face before breaks and after work and take a shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight.

Requirements for storage rooms and vessels:

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

Hints on storage assembly:

Keep away from combustible material. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Recommendation:
Topcoat.

SECTION 8: Exposure controls / Personal protection

8.1 Control Parameters

8.1.1 Occupational exposure limit values

Limit value type (country)	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)
IOELV (EU) from 21 Feb 2017	**ethyl acetate** CAS No.: 141-78-6 EC No.: 205-500-4	① 200 ppm (734 mg/m³) ② 400 ppm (1,468 mg/m³)
IOELV (EU)	**acetone** CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,210 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)	**2-methoxy-1-methylethyl acetate** CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (may be absorbed through the skin)

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
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	367 mg/m³	① DNEL consumer ② Long-term – inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1,468 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m³	① DNEL consumer ② Acute - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	63 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	37 mg/kg	① DNEL consumer ② Long-term - dermal, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	4.5 mg/kg	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

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Substance name	DNEL value	① DNEL type ② Exposure route
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 Acute - inhalation, systemic effects
acetone CAS No.: 67-64-1 EC No.: 200-662-2	186 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg	① DNEL consumer ② Long-term - dermal, systemic effects
acetone CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg	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	960 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	300 mg/m³	① DNEL consumer ② Acute - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	11 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	6 mg/kg	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	① DNEL worker ② Acute – dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	6 mg/kg	① DNEL consumer ② Acute – dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	2 mg/kg	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	① DNEL consumer ② Acute – oral, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	275 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	33 mg/m³	① DNEL consumer ② Long-term – inhalation, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	33 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	550 mg/m³	① DNEL worker ② Acute - inhalation, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	153.5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	320 mg/kg	① DNEL consumer ② Long-term - dermal, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	36 mg/kg	① DNEL worker ② Long-term - oral, systemic effects

Substance name	PNEC value	① PNEC type
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.24 mg/L	① PNEC aquatic, freshwater
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.024 mg/L	① PNEC aquatic, marine water
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	650 mg/L	① PNEC sewage treatment plant
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1.15 mg/kg	① PNEC sediment, freshwater
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.0115 mg/kg	① PNEC sediment, marine water
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.148 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
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/kg	① PNEC sediment, freshwater
acetone CAS No.: 67-64-1 EC No.: 200-662-2	3.04 mg/kg	① PNEC sediment, marine water
acetone CAS No.: 67-64-1 EC No.: 200-662-2	21 mg/L	① PNEC aquatic, intermittent release
acetone CAS No.: 67-64-1 EC No.: 200-662-2	33.3 mg/kg	① PNEC soil, freshwater
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	0.018 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

Substance name	PNEC value	① PNEC type
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.981 mg/kg	① PNEC sediment, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.0981 mg/kg	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 mg/L	① PNEC aquatic, intermittent release
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.635 mg/L	① PNEC aquatic, freshwater
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.0635 mg/L	① PNEC aquatic, marine water
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	100 mg/L	① PNEC sewage treatment plant
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	100 mg/L	① PNEC sewage treatment plant
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	3.29 mg/kg	① PNEC sediment, freshwater
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.329 mg/kg	① PNEC sediment, marine water
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	6.35 mg/L	① PNEC aquatic, intermittent release
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.29 mg/kg	① PNEC soil, freshwater

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Technical ventilation of workplace / Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2 Personal protection equipment



Eye/face protection:

Eye glasses with side protection (EN 166).

Skin protection:

Wear suitable gloves (EN ISO 374).
Suitable material: IIR (Butyl rubber)
Material thickness: ≥ 0,7 mm
Breakthrough time: 480 min
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:
Usually no personal respirative protection necessary. Provide adequate ventilation. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Suitable respiratory protection apparatus: Combination filtering device (EN 14387), Filter type A-P2.

Other protection measures:
Wear anti-static footwear and clothing

8.2.3 Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Form: Aerosol (liquid)
Colour: various
Odour: like isopropanol
Flammability: Yes

Safety relevant basic data

Parameter	Value	at	① Method ② Remark
pH	*Not applicable.*		
Melting point	*No data available.*		
Freezing point	*Not applicable.*		
Initial boiling point and boiling range	-24 °C		
Flash point	*Not applicable.*		
Evaporation rate	*No data available.*		
Auto-ignition temperature	365 °C		
Upper/lower Flammability or explosive limits	1 – 18.6 Vol-%		
Vapour pressure	5,200 hPa	20 °C	② dimethyl ether
Vapour density	*Not applicable.*		
Density	0.811 g/mL	20 °C	
Bulk density	*Not applicable.*		
Water solubility	Immiscible	20 °C	
Dynamic viscosity	*Not applicable.*		
Kinematic viscosity	*Not applicable.*		

9.2 Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Extremely flammable aerosol.

10.2 Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions. Possibility of hazardous reactions/Exothermic reaction with: Oxidising agent, aldehydes, Alkali (lye), Acids.

10.4 Conditions to avoid
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heating causes rise in pressure with risk of bursting.

10.5 Incompatible materials
Highly oxidising substances

10.6 Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: carbon oxides (COx); Nitrogen oxides (NOx); gases/vapours, toxic.

SECTION 11: Toxicological information

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

acetone CAS No.: 67-64-1 EC No.: 200-662-2	
LC_{50} Acute inhalation toxicity (vapour): 76 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 (Ratte)	
LD_{50} dermal: 17,600 mg/kg (Kaninchen)	
LC_{50} Acute inhalation toxicity (vapour): 1.85 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:
Causes serious eye irritation.

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

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

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

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

STOT-single exposure:
May cause drowsiness or dizziness.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties:
Contains dodecamethylcyclohexasiloxane, decamethylcyclopentasiloxane, octamethylcyclotetrasiloxane.

SECTION 12: Ecological information

12.1 Toxicity

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

Assessment/classification:
No data available.

12.2 Persistence and degradability

Biodegradation:
Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential
Accumulation / Evaluation:
No indication of bioaccumulation potential.

12.4 Mobility in soil
No data available.

12.5 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
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal

Waste codes/waste designations according to EWC
Waste code product

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
16 05 04 *	Gases in pressure containers (including halons) containing hazardous substances

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 04	metallic packaging

Waste treatment options
Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Completely emptied packages can be recycled.

Other disposal recommendations:
The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Do not allow to enter into surface water or drains. Collect in closed and suitable containers for disposal. Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1
14.4 Packing group			
		-	
14.5 Environmental hazards			
No	No	No	No
14.6 Special precautions for user			
No data available.	No data available.	No data available.	No data available.

14.7 Maritime transport in bulk according to IMO instruments
not relevant

Additional information:
ADR/RID/ADN: Classification code: 5F
Transport as "Limited Quantity" according to chapter 3.4 ADR/RID.

SECTION 15: Regulatory information

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

15.1.1 EU legislation

Authorisations:
Contains no substances listed in REACH Annex XIV.

Restrictions on use:
Use restriction according to REACH annex XVII, no.: 3

Other regulations (EU):
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

The product does not contain substances of very high concern (SVHC) ≥ 0,1 %.
VOC content (EU): 85,12 %
VOC content (CH): 85,12 %

15.1.2 National regulations
No data available.

15.2 Chemical Safety Assessment
No data available.

SECTION 16: Other information

16.1 Indication of changes
No data available.

16.2 Abbreviations and acronyms
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC_{50} = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC_{50} = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC_{50} = Lethal concentration, 50%
LD_{50} = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level

MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Content
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Content
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): https://www.echa.europa.eu
ECHA, C&L Inventory: https://echa.europa.eu/information-on-chemicals/cl-inventory-database
ECHA, Registered substances: https://echa.europa.eu/information-on-chemicals/registered-substances
GESTIS, Information system on hazardous substances: https://www.gestis.dguv.de/search
GESTIS, International Limit Values: https://limitvalue.ifa.dguv.de
Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz
Safety data sheets of the manufacturers

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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation
aerosol dispensers and lighters *(Aerosol 1)*	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	Data and information provided by the manufacturer
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation

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.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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

16.6 Training advice

No data available.

16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.