Kölner Classic Dura Letter

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

1.1 Product identifier
Trade name/designation:

Kölner Classic Dura Letter

UFI:
J850-10VM-M00U-6SJ8

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
Flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	Test data
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation

2.2 Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Warning

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Listing of ingredients:
neodecanoic acid, cobalt salt; fatty acids, C14-18 and C16-18 unsatd., maleated; maleic anhydride; hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hazard statements for physical hazards	
H226	Flammable liquid and vapour.

Hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.

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

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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary statements Response	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statements Storage	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

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

Special rules for supplemental label elements for certain mixtures:
One-pack performance coatings, Directive 42/2004/CE, II A, with VOC limit value = 500 g/L and max. VOC content ≤ 459,63 g/L

2.3 Other hazards
No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description:
A mixture of the substances listed below, containing non-hazardous additives.

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 64742-48-9 EC No.: 919-857-5 REACH No.: 01-2119463258-33	**hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics** Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336)  Danger EUH066	10 – < 25 weight-%
EC No.: 905-588-0	**Reaktionsmasse aus Ethylbenzol und Xylolen** Acute Tox. 4 (H332), Asp. Tox. 1 (H304), Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), STOT RE 2 (H373), STOT SE 3 (H335), Skin Irrit. 2 (H315)  Danger **Acute Toxicity Estimate** ATE (inhalation, vapour) 11 mg/L ATE (inhalation, dust/mist) 1.5 mg/L	2.5 – < 10 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 – < 10 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 107-98-2 EC No.: 203-539-1 Index No.: 603-064-00-3 REACH No.: 01-2119457435-35	**1-methoxypropan-2-ol** Flam. Liq. 3 (H226), STOT SE 3 (H336) Warning	2.5 – < 10 weight-%
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	1 – < 2.5 weight-%
CAS No.: 112-07-2 EC No.: 203-933-3 REACH No.: 01-2119475112-47	**2-butoxyethyl acetate** Acute Tox. 4 (H302, H312, H332) Warning	1 – < 2.5 weight-%
CAS No.: 27253-31-2 EC No.: 248-373-0	**neodecanoic acid, cobalt salt** Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), STOT RE 1 (H372), Skin Sens. 1 (H317) Danger	0.1 – < 1 weight-%
CAS No.: 85711-46-2 EC No.: 701-043-4	**fatty acids, C14-18 and C16-18 unsatd., maleated** Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	0.1 – < 1 weight-%
CAS No.: 108-31-6 EC No.: 203-571-6 Index No.: 607-096-00-9 REACH No.: 01-2119472428-31	**maleic anhydride** Acute Tox. 4 (H302), Eye Dam. 1 (H318), Resp. Sens. 1 (H334), STOT RE 1 (H372), Skin Corr. 1B (H314), Skin Sens. 1A (H317) Danger EUH071 **Specific concentration limit (SCL)** Skin Sens. 1A; H317: C ≥ 0.001%	0.001 – < 0.1 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:
Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
In case of contact with eyes, rinse thoroughly with water. In case of eye irritation consult an ophthalmologist.

Following ingestion:
Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed
May cause an allergic skin reaction. May cause drowsiness or dizziness.

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 (CO2).

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Vapours can form explosive mixtures with air. Burning produces heavy smoke.

Hazardous combustion products:
In case of fire may be liberated: carbon black; carbon oxides (COx); Nitrogen oxides (NOx)

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. 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:
Keep away from sources of ignition - No smoking. Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes. Special danger of slipping by leaking/spilling product. 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: In case and large quantities: Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:
Water with tenside additive

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:
Take care of an adequate ventilation during application and curing. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Repeated exposure may cause skin dryness or cracking. 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. Ground/bond container and receiving equipment. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Take precautionary measures against static discharge.

Measures to prevent aerosol and dust generation:
Use suitable spraying system to avoid atomised sray.

Environmental precautions:
Discharge into the environment must be avoided.

Advices on general occupational hygiene
When using do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Take off immediately all contaminated clothing. Apply skin care products after work.

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:
Do not store together with: oxidizing agent, Acids, alkali (lye). Keep away from combustible material.

7.3 Specific end use(s)

Recommendation:
Topcoat.
Observe instructions for use.

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)	**Reaktionsmasse aus Ethylbenzol und Xylolen** EC No.: 905-588-0	① 50 ppm (221 mg/m³) ② 100 ppm (442 mg/m³) ⑤ (may be absorbed through the skin)
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)
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)
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-butoxyethyl acetate** CAS No.: 112-07-2 EC No.: 203-933-3	① 20 ppm (133 mg/m³) ② 50 ppm (333 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
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	900 mg/m³	① DNEL consumer ② Long-term – inhalation, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	1,500 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL consumer ② Long-term - dermal, systemic effects
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS No.: 64742-48-9 EC No.: 919-857-5	300 mg/kg bw/day	① DNEL consumer ② Long-term - 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
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
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/cm²	① DNEL worker ② Acute - inhalation, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	183 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	78 mg/kg	① DNEL consumer ② Long-term - dermal, 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	3.3 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-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	67 mg/m³	① DNEL consumer ② Long-term – inhalation, systemic effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	499 mg/m³	① DNEL consumer ② Acute - inhalation, systemic effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	333 mg/m³	① DNEL worker ② Acute - inhalation, local effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	166 mg/m³	① DNEL consumer ② Acute - inhalation, local effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	36 mg/kg bw/day	① DNEL consumer ② Long-term - dermal, systemic effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	27 mg/kg bw/day	① DNEL consumer ② Acute – dermal, systemic effects
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	4.3 mg/kg bw/day	① DNEL consumer ② Long-term - oral, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	18 mg/kg bw/day	① DNEL consumer ② Acute – oral, systemic effects

Substance name	PNEC value	① PNEC type
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
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
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	4.59 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
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-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	0.304 mg/L	① PNEC aquatic, freshwater
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	0.0304 mg/L	① PNEC aquatic, marine water
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	90 mg/L	① PNEC sewage treatment plant
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	2.03 mg/kg	① PNEC sediment, freshwater
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	0.203 mg/kg	① PNEC sediment, marine water
2-butoxyethyl acetate CAS No.: 112-07-2 EC No.: 203-933-3	0.68 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. Provide adequate ventilation as well as local exhaustion at critical locations. Generation/ formation of aerosols: Devices with local exhaust / Technical ventilation of workplace.

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: NBR (Nitrile rubber)
Material thickness: ≥ 0,5 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. In the case of wanting to use the gloves again, clean them before taking off and air them well. Check leak tightness/impermeability prior to use.

Respiratory protection:

Provide adequate ventilation. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Combination filtering device (EN 14387) with Filter type A-P2/P3

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: liquid
Colour: various
Odour: like hydrocarbons
Flammability: Yes

Safety relevant basic data

Parameter	Value	at	① Method ② Remark
pH	*Not applicable.*		
Melting point	*No data available.*		
Freezing point	*No data available.*		
Initial boiling point and boiling range	≥ 136 °C		
Flash point	29 °C		① c.c.
Evaporation rate	*No data available.*		
Auto-ignition temperature	240 °C		
Upper/lower Flammability or explosive limits	0.6 – 7 Vol-%		
Vapour pressure	10 hPa		
Vapour density	*No data available.*		
Density	1.023 g/mL	20 °C	
Bulk density	*Not applicable.*		
Water solubility	practically insoluble		
Dynamic viscosity	*No data available.*		
Kinematic viscosity	> 20.5 mm²/s	40 °C	

9.2 Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Flammable liquid and vapour.

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. Vapours can form explosive mixtures with air. Violent reaction with: oxidizing agent, Acids, alkali (lye).

10.4 Conditions to avoid
Heat, UV-radiation/sunlight.

10.5 Incompatible materials
oxidizing agent, Acids, alkali (lye).

10.6 Hazardous decomposition products
No known hazardous decomposition products. In case of fire may be liberated: carbon black; carbon oxides (COx); Nitrogen oxides (NOx)

SECTION 11: Toxicological information

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

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.
May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
May cause an allergic skin reaction.

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:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

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

12.2 Persistence and degradability

Biodegradation:
In accordance with the required stability the product is poorly biodegradable.

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

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 10 *	Packaging containing residues of or contaminated by dangerous substances

**: Evidence for disposal must be provided.*

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. Uncleaned empty containers may contain product gases which form explosive mixtures with air. 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 1263	UN 1263	UN 1263	UN 1263
14.2 UN proper shipping name			
Paint	Paint	Paint	Paint
14.3 Transport hazard class(es)			
 3	 3	 3	 3
14.4 Packing group			
III	III	III	III
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:
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, 40, 75

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 value (Switzerland): 44,7 %

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
Flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	Test data
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation

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

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.

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.