

SAFETY DATA SHEET

according to REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577

Revision date: 9 Jun 2024

Print date: 16 Jun 2024

Version: 0.9



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REDOCOL Spray Lacquer transparent (silk matt, silk gloss, deep matt, matt, high gloss)

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

1.1. Product identifier

Trade name/designation:

REDOCOL Spray Lacquer transparent (silk matt, silk gloss, deep matt, matt, high gloss)

Article No.:

ST81000

UFI:

27A7-7707-W00Q-DPJV

Additional information:

Aerosol

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

Use of the substance/mixture:

FURNITURE, FLOOR & LEATHER CARE for consumer use

Relevant identified uses:

Life cycle stage [LCS]

IS: Use at industrial sites

PW: Widespread use by professional workers

Sector of uses [SU]

SU 6a: Manufacture of wood and wood products

Product Categories [PC]

PC 9a: Coatings and paints, thinners, paint removers

1.3. Details of the supplier of the safety data sheet

distributor:

Ostermann UK Ltd

Stonebridge Cross Business Park

Unit 104 Pointon Way

WR9 0LW Droitwich

United Kingdom

Telephone: UK +44 (0) 1905 793 550, Ireland +44 (0) 1905 793 552

Telefax: +44 (0) 1905 793 559

E-mail: UK sales.uk@ostermann.eu, Ireland sales.ie@ostermann.eu

Website: www.ostermann.eu

E-mail (competent person): sds@ostermann.eu

Manufacturer:

FSG Schäfer GmbH

Boschstraße 14

48703 Stadtlohn

GERMANY

Telephone: +49 (0) 25 63 - 93 95 - 0

Telefax: +49 (0) 25 63 - 93 95 - 25

E-mail: verkauf@fsg-schaefer.de

Website: www.fsg-schaefer.de

1.4. Emergency telephone number

UK: For non-emergency personnel: +44 1905 793 550

IR: For non-emergency personnel: +44 1905 793 552, 24h: +49 30 - 30 68 67 00 (National Poison Inform. Centre Berlin) , UK +44 1905 793 550 / IR +44 (0)1905 793 552 (Only available during office hours.)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|--|--------------------------|
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |
| STOT-single exposure (<i>STOT SE 3</i>) | H336: May cause drowsiness or dizziness. | |
| Carcinogenicity (<i>Carc. 2</i>) | H351: Suspected of causing cancer. | |
| Reproductive toxicity (<i>Repr. 1B</i>) | H360D: May damage the unborn child. | |

2.2. Label elements

Labelling according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms:



GHS07

Exclamation mark



GHS08

Health hazard

Signal word: Danger

| Hazard statements for health hazards | |
|--------------------------------------|------------------------------------|
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H360D | May damage the unborn child. |

Supplemental hazard information: none

| Precautionary statements Prevention | |
|-------------------------------------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/Personal protection. |

| Precautionary statements Response | |
|-----------------------------------|--|
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312 | Call a POISON CENTER/doctor/First aider if you feel unwell. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

Special rules for supplemental label elements for certain mixtures:

35,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

35,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

51,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Mixture of following listed substances with nonhazardous additions.

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Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers | Substance name Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 | Concentration |
|--|--|--------------------|
| CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8 REACH No.: 01-2119471330-49 | acetone Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)   Danger EUH066 Acute Toxicity Estimate ATE (oral) 5,800 mg/kg ATE (dermal) > 7,426 mg/kg ATE (inhalation, vapour) 50.1 mg/L | 16 - < 30 Vol-% |
| CAS No.: 78-93-3 EC No.: 201-159-0 Index No.: 606-002-00-3 | butanone Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)   Danger EUH066 Acute Toxicity Estimate ATE (oral) 2,740 mg/kg ATE (dermal) 6,480 mg/kg | 9 - < 18 Vol-% |
| CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21-XXXX | propane Flam. Gas 1 (H220), Press. Gas   Danger Acute Toxicity Estimate ATE (inhalation, gases) 520,400 - 539,600 ppmV | 9 - < 16 Vol-% |
| CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-01-8 REACH No.: 01-2119474691-32 | butane Carc. 1A (H350), Flam. Gas 1 (H220), Muta. 1B (H340), Press. Gas    Danger Acute Toxicity Estimate ATE (inhalation, gases) 658 ppmV | 9 - ≤ 15 Vol-% |
| CAS No.: 108-10-1 EC No.: 203-550-1 Index No.: 606-004-00-4 REACH No.: 01-2119473980-30 | 4-methylpentan-2-one Acute Tox. 4 (H332), Carc. 2 (H351), Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)    Danger EUH066 Acute Toxicity Estimate ATE (oral) > 2,000 - ≤ 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) 11 mg/L | 6 - ≤ 10 Vol-% |
| CAS No.: 75-28-5 EC No.: 200-857-2 Index No.: 601-004-01-8 | isobutane Carc. 1A (H350), Flam. Gas 1 (H220), Muta. 1B (H340), Press. Gas    Danger Acute Toxicity Estimate ATE (inhalation, gases) 520,400 - 529,600 ppmV | 3 - ≤ 5 Vol-% |
| CAS No.: 123-86-4 EC No.: 204-658-1 Index No.: 607-025-00-1 REACH No.: 01-2119485493-29-0007 | n-butyl acetate Flam. Liq. 3 (H226), STOT SE 3 (H336)   Warning EUH066 Acute Toxicity Estimate ATE (oral) 10,760 mg/kg ATE (dermal) > 14,112 mg/kg ATE (inhalation, dust/mist) 23.4 mg/L | 3 - ≤ 5 Vol-% |
| CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0 REACH No.: 01-2119475108-36 | 2-butoxyethanol Acute Tox. 3 (H331), Acute Tox. 4 (H302), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315)  Danger Acute Toxicity Estimate ATE (oral) 1,200 mg/kg ATE (dermal) 220 mg/kg ATE (inhalation, vapour) 3 mg/L ATE (inhalation, dust/mist) 2.17 mg/L | 3 - ≤ 5 Vol-% |

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| Product identifiers | Substance name Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 | Concentration |
|---|---|------------------|
| EC No.: 927-241-2 REACH No.: 01-2119471843-32-XXXX | Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics Aquatic Chronic 3 (H412), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336)  Danger Acute Toxicity Estimate ATE (oral) > 15,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 6.1 mg/L | 0 - ≤ 1 Vol-% |
| CAS No.: 70657-70-4 EC No.: 274-724-2 Index No.: 607-251-00-0 | 2-methoxypropyl acetate Flam. Liq. 3 (H226), Repr. 1B (H360D***), STOT SE 3 (H335)  Danger Acute Toxicity Estimate ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) > 400 ppmV | 0 - ≤ 1 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:

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours. 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. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

non-irritant. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider. First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Serious eye damage/eye irritation, Dizziness, 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).
Fire extinguishers Fire class B.

Unsuitable extinguishing media:

Full water jet.

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5.2. Special hazards arising from the substance or mixture

Combustible.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic.

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, Pyrolysis products, toxic, carbon black.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Discharge into the environment must be avoided. 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:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

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.

6.3. Methods and material for containment and cleaning up

For containment:

Soak up inert absorbent and dispose as waste requiring special attention.

For cleaning up:

Clean with detergents. Avoid solvent cleaners.

Other information:

Provide adequate ventilation.

6.4. Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Avoid contact during pregnancy/while nursing. Special danger of slipping by leaking/spilling product.

Fire prevent measures:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Environmental precautions:

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

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Advices on general occupational hygiene

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Packaging materials:

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

Requirements for storage rooms and vessels:

AEROSOLS, flammable.

Hints on storage assembly:

Do not store together with: Strong acid, Base.

Storage class (TRGS 510, Germany): 2A - Gases (except aerosol dispensers and lighters)

Further information on storage conditions:

Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Industrial sector specific solutions:

Solvent-based varnishes/wood glazes, aromatics removed.

GISCODE:

M-KH02

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 |
|--------------------------------------|---|--|
| IOELV (EU) | acetone CAS No.: 67-64-1 EC No.: 200-662-2 | ① 500 ppm (1,210 mg/m ³) |
| WEL (GB) | acetone CAS No.: 67-64-1 EC No.: 200-662-2 | ① 500 ppm (1,210 mg/m ³) ② 1,500 ppm (3,620 mg/m ³) |
| IOELV (EU) | butanone CAS No.: 78-93-3 EC No.: 201-159-0 | ① 200 ppm (600 mg/m ³) ② 300 ppm (900 mg/m ³) |
| WEL (GB) | butanone CAS No.: 78-93-3 EC No.: 201-159-0 | ① 200 ppm (600 mg/m ³) ② 300 ppm (899 mg/m ³) |
| WEL (GB) | butane CAS No.: 106-97-8 EC No.: 203-448-7 | ① 600 ppm (1,450 mg/m ³) ② 750 ppm (1,810 mg/m ³) |
| IOELV (EU) | 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | ① 20 ppm (83 mg/m ³) ② 50 ppm (208 mg/m ³) |
| WEL (GB) | 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | ① 50 ppm (208 mg/m ³) ② 100 ppm (416 mg/m ³) 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/m ³) ② 150 ppm (723 mg/m ³) |

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| 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 |
|--------------------------------------|--|--|
| WEL (GB) from 17 Jan 2020 | 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | ① 25 ppm (123 mg/m ³) ② 50 ppm (246 mg/m ³) ⑤ (may be absorbed through the skin) |
| IOELV (EU) | 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | ① 20 ppm (98 mg/m ³) ② 50 ppm (246 mg/m ³) ⑤ (may be absorbed through the skin) |

8.1.2. Biological limit values

| Limit value type (country of origin) | Substance name | Limit value | ① Parameter ② Test material ③ Time of sampling: ④ Remark |
|--------------------------------------|---|-------------------------|--|
| BMGV (GB) from 3 Jan 1900 | butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 70 µmol/L | ① butan 2-one ② urine ③ end of exposure or end of shift |
| BMGV (GB) | 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 20 µmol/L | ① 4-methylpentan - 2-one ② urine ③ end of exposure or end of shift |
| BMGV (GB) | 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 240 mmol/mol creatinine | ① Butoxyacetic acid ② urine ③ end of exposure or end of shift |

8.1.3. DNEL-/PNEC-values

| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|-------------------------|---|
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 | 1,210 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 | 200 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 | 2,420 mg/m ³ | 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 |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 600 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 106 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |

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| Substance name | DNEL value | ① DNEL type ② Exposure route |
|---|--------------------------|---|
| 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 worker ② Long-term - oral, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 83 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 14.7 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 208 mg/m ³ | ① DNEL worker ② Acute - inhalation, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 11.8 mg/kg | ① DNEL worker ② Long-term - dermal, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 4.2 mg/kg | ① DNEL worker ② Long-term - dermal, systemic effects |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 4.2 mg/m ³ | ① DNEL worker ② Long-term - oral, systemic effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 48 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 102.34 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 859.7 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, systemic effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 480 mg/m ³ | ① DNEL worker ② Long-term - inhalation, local effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 600 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 7 mg/kg bw/day | ① DNEL worker ② Long-term - dermal, systemic effects |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 11 mg/kg bw/day | ① DNEL worker ② Acute - dermal, systemic effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 98 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 59 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 1,091 mg/m ³ | ① DNEL worker ② Acute - inhalation, systemic effects |

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| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|-----------------------|---|
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 426 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, systemic effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 246 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 147 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, local effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 6.3 mg/kg bw/ day | ① DNEL worker ② Long-term - oral, systemic effects |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 26.7 mg/kg bw/day | ① DNEL worker ② Acute - oral, systemic effects |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 | 185 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 | 77 mg/kg bw/ day | ① DNEL worker ② Long-term - dermal, systemic effects |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 | 46 mg/kg bw/ day | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 | 300 mg/kg bw/ day | ① DNEL worker ② Long-term - oral, systemic effects |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 | 46 mg/kg bw/ day | ① DNEL Consumer ② Long-term - oral, systemic effects |

| Substance name | PNEC Value | ① PNEC type |
|---|------------|--------------------------------------|
| 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 | 29.5 mg/kg | ① PNEC soil, freshwater |

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| Substance name | PNEC Value | ① PNEC type |
|---|--------------|--------------------------------------|
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 55.8 mg/L | ① PNEC aquatic, freshwater |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 55.8 mg/L | ① PNEC aquatic, marine water |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 709 mg/L | ① PNEC sewage treatment plant |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 284.74 mg/kg | ① PNEC sediment, freshwater |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 284.7 mg/kg | ① PNEC sediment, marine water |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 1 g/kg | ① PNEC secondary poisoning |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 55.8 mg/L | ① PNEC aquatic, intermittent release |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 | 22.5 mg/kg | ① PNEC soil, freshwater |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 600 µg/L | ① PNEC aquatic, freshwater |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 60 µg/L | ① PNEC aquatic, marine water |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 27.5 mg/L | ① PNEC sewage treatment plant |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 8.27 mg/kg | ① PNEC sediment, freshwater |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 0.83 mg/kg | ① PNEC sediment, marine water |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 1.3 mg/kg | ① PNEC soil |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 | 1.5 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 |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 0.981 mg/L | ① PNEC sediment, freshwater |

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| Substance name | PNEC Value | ① PNEC type |
|--|-------------|--------------------------------------|
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 0.0981 mg/L | ① PNEC sediment, marine water |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 0.36 mg/L | ① PNEC aquatic, intermittent release |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 | 0.0903 mg/L | ① PNEC soil, freshwater |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 8.8 mg/L | ① PNEC aquatic, freshwater |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 880 µg/L | ① PNEC aquatic, marine water |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 463 mg/L | ① PNEC sewage treatment plant |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 34.6 mg/kg | ① PNEC sediment, freshwater |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 3.46 mg/kg | ① PNEC sediment, marine water |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 2.33 mg/kg | ① PNEC soil |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 20 mg/kg | ① PNEC secondary poisoning |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 | 26.4 mg/L | ① PNEC aquatic, intermittent release |

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. generation/formation of aerosols: Technical ventilation of workplace.

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection EN 166.

Skin protection:

Tested protective gloves must be worn EN ISO 374

In full contact: Suitable material: Butyl caoutchouc (butyl rubber) >0,7 mm, Breakthrough time: >480 min.

In splash contact: Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber) >0,4 mm, Breakthrough time: >120 min.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Thermal hazards:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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Other protection measures:

Wear suitable protective clothing.

8.2.3. Environmental exposure controls

no restriction.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Aerosol

Colour: by respective labeling.

Odour: characteristic

Safety relevant basis data

| Parameter | Value | ① Method ② Remark |
|--|-------------------|----------------------|
| pH | No data available | |
| Initial boiling point and boiling range | No data available | |
| Flash point | not applicable | |
| Evaporation rate | No data available | |
| Upper/lower flammability or explosive limits | No data available | |
| Vapour pressure | 4,200 hPa | |
| Bulk density | not applicable | |
| Water solubility | No data available | |
| Trocknerextrakt [%] | 12 - 15 % | |

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Combustible, Highly flammable.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidizing agent.

10.4. Conditions to avoid

Strong acid, Base.

10.5. Incompatible materials

Oxidising agent, strong.

10.6. Hazardous decomposition products

Gases/vapours, toxic. In case of warming: Flammable solvent vapor mixtures are possible. Contains gas under pressure; may explode if heated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acetone CAS No.: 67-64-1 EC No.: 200-662-2

LD₅₀ oral: 5,800 mg/kg (Rat) Journal of Toxicology and Environmental Health. Vol. 15, Pg. 609, 1985.

LD₅₀ dermal: >7,426 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (vapour): 50.1 mg/L (Rat) Am Ind Hyg Assoc J 20: 364-369

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| |
|---|
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 |
| LD₅₀ oral: 2,740 mg/kg (Rat) Toxicology and Applied Pharmacology. Vol. 19, Pg. 699, 1971. |
| LD₅₀ dermal: 6,480 mg/kg (Rabbit) Shell Chemical Company. Vol. MSDS-5390-4, |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 |
| ATE (inhalation, vapour)¹: 11 mg/L |
| LD₅₀ oral: >2,000 - ≤5,000 mg/kg (Rat) MSDS Distributor |
| LD₅₀ dermal: >5,000 mg/kg (Rabbit) MSDS Distributor |
| LC₅₀ Acute inhalation toxicity (vapour): >10 - ≤20 mg/L 4 h (Rat) |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 |
| LD₅₀ oral: 10,760 mg/kg (Ratte) OECD Prüfrichtlinie 423 |
| LD₅₀ dermal: >14,112 mg/kg (Rabbit) OECD Prüfrichtlinie 402 |
| LC₅₀ Acute inhalation toxicity (dust/mist): 23.4 mg/L 4 h (Rat) OECD Prüfrichtlinie 403 |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 |
| ATE (oral)¹: 1,200 mg/kg |
| ATE (inhalation, vapour)¹: 3 mg/L |
| LD₅₀ oral: 470 mg/kg (Rat) GESTIS |
| LD₅₀ dermal: 220 mg/kg (Rabbit) GESTIS |
| LC₅₀ Acute inhalation toxicity (dust/mist): 2.17 mg/L 4 h (Rat) GESTIS |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 |
| LD₅₀ oral: >15,000 mg/kg (Rat) MSDS Distributor |
| LD₅₀ dermal: >5,000 mg/kg (Rabbit) MSDS Distributor |
| LC₅₀ Acute inhalation toxicity (dust/mist): >6.1 mg/L 4 h (Rat) MSDS Distributor |
| 2-methoxypropyl acetate CAS No.: 70657-70-4 EC No.: 274-724-2 |
| LD₅₀ oral: >5,000 mg/kg (Rat) |
| LD₅₀ dermal: >2,000 mg/kg (Rabbit) |
| LC₅₀ Acute inhalation toxicity (gas): >400 ppmV 6 h (Rabbit) |

¹: Acute Toxicity Estimate. Harmonised (legal) classification.

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:

May cause cancer. Suspected of causing cancer.

Reproductive toxicity:

Based on available data, the classification criteria are not met. May damage the unborn child.

STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure:

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

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Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

acetone CAS No.: 67-64-1 EC No.: 200-662-2

LC₅₀: 4,350 - 11,000 mg/L 4 d (fish, *Pimephales promelas* (fathead minnow)) OECD Guideline 203 (Fish, Acute Toxicity Test)

LC₅₀: 10 - 30,600 mg/L 2 d (crustaceans, *Daphnia pulex* (water flea)) Cowgill, U.M., and D.P. Milazzo 1991. The Sensitivity of *Ceriodaphnia dubia* and *Daphnia magna* to Seven Chemicals Utilizing the Three-Brood Test. Arch. Environ. Contam. Toxicol. 20(2):211-217; Canton, J.H., and D.M.M. Adema 1978. Reproducibility of Short-Term and Reproduction Toxicity Experiments with *Daphnia magna* and Comparison of the Sensitivity of *Daphnia magna* with *Daphnia pulex* and *Daphnia cucullata* in Short-Term Experiments. Hydrobiologia 59(2):135-140 (Used Reference 2018)

EC₅₀: 13,500 - 23,500 mg/L 2 d (crustaceans) Randall, T.L., and P.V. Knopp 1980. Detoxification of Specific Organic Substances by Wet Oxidation. J. Water Pollut. Control Fed. 52(8):2117-2130; Barera, Y., and W.J. Adams 1983. Resolving Some Practical Questions About *Daphnia* Acute Toxicity Tests. In: W.E. Bishop (Ed.), Aquatic Toxicology and Hazard Assessment, 6th Symposium, ASTM STP 802, Philadelphia, PA :509-518

EC₅₀: 7,200 - 7,200 mg/L 4 d (Algae/water plant, *Microcystis aeruginosa*) Slooff, W. 1982. A Comparative Study on the Short-Term Effects of 15 Chemicals on Fresh Water Organisms of Different Tropic Levels. Natl. Tech. Inf. Serv., Springfield, VA :25 p. (DUT) (ENG ABS) (NTIS/PB83-200386)

butanone CAS No.: 78-93-3 EC No.: 201-159-0

LC₅₀: 3,220 - 3,220 mg/L 4 d (fish, *Pimephales promelas*) Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (*Pimephales promelas*), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI :414

EC₅₀: 5,090 - 5,090 mg/L 2 d (crustaceans) Randall, T.L., and P.V. Knopp 1980. Detoxification of Specific Organic Substances by Wet Oxidation. J. Water Pollut. Control Fed. 52(8):2117-2130

EC₅₀: 2,029 mg/L 4 d (Algae/water plant) ECHA

NOEC: 68 mg/L 2 d (crustaceans) ECHA

4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1

LC₅₀: >100 mg/L (fish) MSDS Distributor

LC₅₀: >100 mg/L (crustaceans) MSDS Distributor

LC₅₀: ≤100 mg/L (Algae/water plant) MSDS Distributor

EC₅₀: >100 mg/L (fish) MSDS Distributor

EC₅₀: >100 mg/L (crustaceans) MSDS Distributor

EC₅₀: ≤100 mg/L (Algae/water plant) MSDS Distributor

IC₅₀: >100 mg/L (fish) MSDS Distributor

IC₅₀: >100 mg/L (crustaceans) MSDS Distributor

IC₅₀: ≤100 mg/L (Algae/water plant) MSDS Distributor

n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1

LC₅₀: 18 mg/L 4 d (fish, *Pimephales promelas*) OECD Test Guideline 203

EC₅₀: 32 - 44 mg/L 2 d (crustaceans, *Daphnia magna*)

EC₅₀: 246 - 647.7 mg/L 3 d (Algae/water plant, *Desmodesmus subspicatus*) Inhibition of growth rate.

NOEC: 105 - 196 mg/L 3 d (Algae/water plant, *Desmodesmus subspicatus*) Inhibition of growth rate.

NOEC: 23.2 mg/L 21 d (crustaceans)

IC₅₀: 356 mg/L 2 d (Tetrahymena)

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| |
|---|
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 |
| LC₅₀ : 1,250 - 1,490 mg/L 4 d (fish) GESTIS |
| EC₅₀ : 1,550 - 1,800 mg/L 2 d (crustaceans) ECHA |
| EC₅₀ : 623 - 1,840 mg/L 3 d (Algae/water plant) ECHA |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 |
| LC₅₀ : 10 - ≤100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) MSDS Distributor |
| LC₅₀ : 10 - ≤100 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) MSDS Distributor |
| LC₅₀ : >100 mg/L (Algae/water plant) MSDS Distributor |
| LC₅₀ : >1,000 mg/L (Mikroorganismen) MSDS Distributor |
| LC₅₀ : >10 - <30 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) |
| EC₅₀ : >1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) EL 50 SDB BR |
| EC₅₀ : >22 - <46 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) EL 50 SDB BR |
| NOEC : <1 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) NOELR SDB BR |

12.2. Persistence and degradability

| |
|---|
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 |
| Biodegradation : Yes, rapidly |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 |
| Biodegradation : Yes, rapidly |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 |
| Biodegradation : Yes, rapidly |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 |
| Biodegradation : Yes, rapidly |
| Remark : 83 % (aerob; Exposure duration: 28 d) (OECD Test Guideline 301D) |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 |
| Biodegradation : Yes, rapidly |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 |
| Biodegradation : Yes, rapidly |
| Remark : Bioakkumulation potentiell möglich, Schädlich für Fische. |

12.3. Bioaccumulative potential

| |
|---|
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 |
| Log K_{ow} : -0.24 |
| Bioconcentration factor (BCF) : 3 |
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 |
| Log K_{ow} : 0.3 |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 |
| Log K_{ow} : 1.31 |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 |
| Log K_{ow} : 2.3 |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 |
| Log K_{ow} : 0.81 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

| |
|---|
| acetone CAS No.: 67-64-1 EC No.: 200-662-2 |
| Results of PBT and vPvB assessment : — |

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| |
|---|
| butanone CAS No.: 78-93-3 EC No.: 201-159-0 |
| Results of PBT and vPvB assessment: — |
| 4-methylpentan-2-one CAS No.: 108-10-1 EC No.: 203-550-1 |
| Results of PBT and vPvB assessment: — |
| n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 |
| Results of PBT and vPvB assessment: — |
| 2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2 |
| Results of PBT and vPvB assessment: — |
| 2-methoxypropyl acetate CAS No.: 70657-70-4 EC No.: 274-724-2 |
| Results of PBT and vPvB assessment: — |

12.6. Endocrine disrupting properties

No data available

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/AVV

Waste code product

| | |
|------------|---|
| 08 01 11 * | Waste paint and varnish containing organic solvents or other dangerous substances |
|------------|---|

*: Evidence for disposal must be provided.

Directive 2008/98/EC (Waste Framework Directive)

| | |
|------|-----------|
| HP 3 | Flammable |
|------|-----------|

Waste code packaging

| | |
|------------|--|
| 15 01 10 * | packaging containing residues of or contaminated by dangerous substances |
|------------|--|

*: Evidence for disposal must be provided.

Directive 2008/98/EC (Waste Framework Directive)

| | |
|------|-----------|
| HP 1 | Explosive |
|------|-----------|

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 identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.2. Additional information

Return to Distributor..

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 |

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| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|--|--|
| 14.2. UN proper shipping name | | | |
| AEROSOLS (SP63: flammable) containing substances in Class 6.1, Packing Group II and in Class 6.1, Packing Group III and containing substances in Class 8, Packing Group II and in Class 8, Packing Group III Aerosols (Aerosols , n-Butyl acetate) | AEROSOLS (SP63: flammable) containing substances in Class 6.1, Packing Group II and in Class 6.1, Packing Group III and containing substances in Class 8, Packing Group II and in Class 8, Packing Group III Aerosols (Aerosols , n-Butyl acetate) | AEROSOLS (SP63: flammable) containing substances in Class 6.1, Packing Group II and in Class 6.1, Packing Group III and containing substances in Class 8, Packing Group II and in Class 8, Packing Group III (Aerosols , n-Butyl acetate) | AEROSOLS (SP63: flammable) containing substances in Class 6.1, Packing Group II and in Class 6.1, Packing Group III and containing substances in Class 8, Packing Group II and in Class 8, Packing Group III (Aerosols , n-Butyl acetate) |
| 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 Hazard identification number (Kemler No.): 33 Classification code: 5F Tunnel restriction code: (D) Remark: - | Special Provisions: 190, 327, 344, 625 Limited quantity (LQ): 1 L Classification code: 5F | Special Provisions: 190, 327, 344, 625 Limited quantity (LQ): 1 L EmS-No.: F-D, S-U | Special Provisions: 190, 327, 344, 625 Limited quantity (LQ): 1 L |

14.7. Maritime transport in bulk according to IMO instruments

not determined.

Additional information:

-

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented. Aerosol Directive (75/324/EEC)

Other regulations (EU):

This product is not assigned to a hazard category.

Named dangerous substances:

- Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

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

Volatile organic compounds (VOC) content in percent by weight: 65 Vol-%

15.1.2. National regulations

[GB] National regulations

Other regulations, restrictions and prohibition regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on persistent organic pollutants (POP)

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

| | |
|------------------|---|
| AC | Article Category |
| 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 |
| ASTM | American Society for Testing and Materials |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DIN | German Institute for Standardization / German Industrial Standard |
| DNEL | derived no-effect level |
| EC ₅₀ | Effective Concentration 50% |
| ECHA | European Chemicals Agency |
| EN | European Standard |
| 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 |
| 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 |
| PC | Product category |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| STP | sewage treatment plant |
| SU | use category |
| TRGS | Technische Regeln für Gefahrstoffe |
| UN | United Nations |
| VOC | Volatile organic compounds |

SAFETY DATA SHEET

according to REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577

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REDOCOL Spray Lacquer transparent (silk matt, silk gloss, deep matt, matt, high gloss)

ZNS central nervous system

For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (list of terms and abbreviations).

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|--|--------------------------|
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |
| STOT-single exposure (<i>STOT SE 3</i>) | H336: May cause drowsiness or dizziness. | |
| Carcinogenicity (<i>Carc. 2</i>) | H351: Suspected of causing cancer. | |
| Reproductive toxicity (<i>Repr. 1B</i>) | H360D: May damage the unborn child. | |

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. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H351 | Suspected of causing cancer. |
| H360D | May damage the unborn child. |
| H412 | Harmful to aquatic life with long lasting effects. |

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

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.