



DRIVING SURFACE PERFECTION

TRIM #11 SATIN BLACK HIGH BUILD TOPCOAT AEROSOL

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Product Reference code: according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 SDS Ref. (EU): TRIMSBAL-SDS
 Issue date: 23/02/2017 Revision date: 17/08/2020 Supersedes version of: 20/08/2019 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
 Trade name : TRIM #11 SATIN BLACK HIGH BUILD TOPCOAT AEROSOL
 UFI : AY11-P0QX-F00V-2X1G
 Product code : TRIMSB/AL
 Vaporizer : aerosol
 Product group : aerosol

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
 Use of the substance/mixture : Coatings and paints, thinners, paint removers
 Function or use category : Topcoat

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

U-POL Limited Ltd
 Denington Road
 GB- NN8 2QH Wellingborough – Northamptonshire
 United Kingdom
 T +44 (0) 1933 230310
technicalsupport@u-pol.com - www.u-pol.com

Importer

U-POL Netherlands B.V. B.V.
 Hoorgoordreef 15
 NL- 1101BA Amsterdam
 Netherlands
 T +31 20 240 2216
technicalsupport@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: +44 (0) 870 8200418 (24 hrs)

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|--|--|---|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | NHS England, Scotland & Wales | - | Call 111 or a Doctor | In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.hscni.net) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
 Serious eye damage/eye irritation, Category 2 H319

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Skin sensitisation, Category 1 H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
Full text of H- and EUH-statements: see section 16

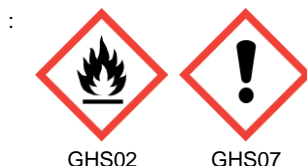
Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

Unknown acute toxicity (CLP) - SDS

- : Danger
- : reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene), reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, methyl acetate, acetone
- : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
- : P210 - Keep away from heat, hot surfaces, open flames, sparks. — No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing spray, vapours, fume.
P280 - Wear eye protection, protective clothing, protective gloves.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- : EUH066 - Repeated exposure may cause skin dryness or cracking.
- : 5.62% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

2.3. Other hazards

Contains no PBT/vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|--|---|
| methyl acetate (79-20-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| acetone (67-64-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| n-butyl acetate (123-86-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2-methoxy-1-methylethyl acetate (108-65-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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| Component | |
|-------------------------------|---|
| ethyl methyl ketone (78-93-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| cyclohexanone (108-94-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|----------|---|
| methyl acetate | CAS-No.: 79-20-9 EC-No.: 201-185-2 EC Index-No.: 607-021-00-X REACH-no: 01-2119459211-47 | 10 – 20 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| acetone substance with a Community workplace exposure limit | CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49 | 10 – 20 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| n-butyl acetate substance with a Community workplace exposure limit | CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29 | 5 – 10 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| 2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit | CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29 | 2.5 – 10 | Flam. Liq. 3, H226 |
| ethyl methyl ketone substance with a Community workplace exposure limit | CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-43 | 5 – 10 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|------------|--|
| reaction mass of ethylbenzene, m-xylene and p-xylene | EC-No.: 905-562-9 REACH-no: 01-2119555267-33 | 1 – 2.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 |
| hydrocarbons, C9, aromatics | CAS-No.: 64742-95-6 EC-No.: 918-668-5 REACH-no: 01-2119455851-35 | 1 – 2.5 | Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| cyclohexanone substance with a Community workplace exposure limit | CAS-No.: 108-94-1 EC-No.: 203-631-1 EC Index-No.: 606-010-00-7 REACH-no: 01-2119453616-35 | 1 – 2.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | CAS-No.: 104810-48-2 EC-No.: 400-830-7 EC Index-No.: 607-176-00-3 REACH-no: 01-0000015075-76 | 0.1 – 0.25 | Skin Sens. 1A, H317 Aquatic Chronic 2, H411 |
| reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | CAS-No.: 1065336-91-5 EC-No.: 915-687-0 REACH-no: 01-2119491304-40 | < 0.1 | Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking. |
| Symptoms/effects after eye contact | : Eye irritation. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.
Explosion hazard : Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| ethyl methyl ketone (78-93-3) | |
|---|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Butanone |
| IOEL TWA | 600 mg/m ³ |
| IOEL TWA [ppm] | 200 ppm |
| IOEL STEL | 900 mg/m ³ |
| IOEL STEL [ppm] | 300 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Ireland - Occupational Exposure Limits | |
| Local name | Methyl ethyl ketone (MEK) |
| OEL TWA [1] | 600 mg/m ³ |
| OEL TWA [2] | 200 ppm |
| OEL STEL | 900 mg/m ³ |
| OEL STEL [ppm] | 300 ppm |
| Remark | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| Ireland - Biological limit values | |
| Local name | Butan-2-one |
| BLV | 70 µmol/l Parameter: butan-2- one - Medium: urine - Sampling time: Post shift |
| Regulatory reference | Biological Monitoring Guidelines (HSA, 2011) |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Butan-2-one (methyl ethyl ketone) |
| WEL TWA (OEL TWA) [1] | 600 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 200 ppm |
| WEL STEL (OEL STEL) | 899 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 300 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| United Kingdom - Biological limit values | |
| Local name | Butan-2-one (methyl ethyl ketone) |
| BMGV | 70 µmol/l Parameter: butan-2-one - Medium: urine - Sampling time: Post shift |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

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| n-butyl acetate (123-86-4) | |
|---|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | n-Butyl acetate |
| IOEL TWA | 241 mg/m ³ |
| IOEL TWA [ppm] | 50 ppm |
| IOEL STEL | 723 mg/m ³ |
| IOEL STEL [ppm] | 150 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2019/1831 |
| Ireland - Occupational Exposure Limits | |
| Local name | Butyl acetate |
| OEL TWA [1] | 710 mg/m ³ |
| OEL TWA [2] | 150 ppm |
| OEL STEL | 950 mg/m ³ |
| OEL STEL [ppm] | 200 ppm |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Butyl acetate |
| WEL TWA (OEL TWA) [1] | 724 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 150 ppm |
| WEL STEL (OEL STEL) | 966 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 200 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| cyclohexanone (108-94-1) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Cyclohexanone |
| IOEL TWA | 40.8 mg/m ³ |
| IOEL TWA [ppm] | 10 ppm |
| IOEL STEL | 81.6 mg/m ³ |
| IOEL STEL [ppm] | 20 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Ireland - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| OEL TWA [1] | 40.8 mg/m ³ |
| OEL TWA [2] | 10 ppm |
| OEL STEL | 81.6 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Remark | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |

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| cyclohexanone (108-94-1) | |
|---|--|
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| Ireland - Biological limit values | |
| Local name | Cyclohexanone |
| BLV | 8 mg/l Parameter: cyclohexanol - Medium: urine - Sampling time: End of shift - Notations: Cyclohexanol= metabolite; Ns (Non-specific) 80 mg/l Parameter: 1,2-Cyclohexanediol - Medium: urine - Sampling time: End of shift - Notations: Ns (Non-specific) |
| Regulatory reference | Biological Monitoring Guidelines (HSA, 2011) |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| WEL TWA (OEL TWA) [1] | 41 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 10 ppm |
| WEL STEL (OEL STEL) | 82 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 20 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| United Kingdom - Biological limit values | |
| Local name | Cyclohexanone |
| BMGV | 2 mmol/mol Creatinine Parameter: cyclohexanol - Medium: urine - Sampling time: Post shift |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Methoxy-1-methylethylacetate |
| IOEL TWA | 275 mg/m ³ |
| IOEL TWA [ppm] | 50 ppm |
| IOEL STEL | 550 mg/m ³ |
| IOEL STEL [ppm] | 100 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Ireland - Occupational Exposure Limits | |
| Local name | 2-Methoxy-1-methylethylacetate |
| OEL TWA [1] | 275 mg/m ³ |
| OEL TWA [2] | 50 ppm |
| OEL STEL | 550 mg/m ³ |
| OEL STEL [ppm] | 100 ppm |
| Remark | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2020 |

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| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| United Kingdom - Occupational Exposure Limits | |
| Local name | 1-Methoxypropyl acetate |
| WEL TWA (OEL TWA) [1] | 274 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 50 ppm |
| WEL STEL (OEL STEL) | 548 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 100 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| acetone (67-64-1) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Acetone |
| IOEL TWA | 1210 mg/m ³ |
| IOEL TWA [ppm] | 500 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Ireland - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA [1] | 1210 mg/m ³ |
| OEL TWA [2] | 500 ppm |
| Remark | IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| Ireland - Biological limit values | |
| Local name | Acetone |
| BLV | 50 mg/l Parameter: acetone - Medium: urine - Sampling time: End of shift - Notations: Ns (Non-specific) |
| Regulatory reference | Biological Monitoring Guidelines (HSA, 2011) |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Acetone |
| WEL TWA (OEL TWA) [1] | 1210 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 500 ppm |
| WEL STEL (OEL STEL) | 3620 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 1500 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| methyl acetate (79-20-9) | |
| Ireland - Occupational Exposure Limits | |
| Local name | Methyl acetate |
| OEL TWA [1] | 610 mg/m ³ |
| OEL TWA [2] | 200 ppm |
| OEL STEL | 760 mg/m ³ |

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| methyl acetate (79-20-9) | |
|--|---------------------------------------|
| OEL STEL [ppm] | 250 ppm |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Methyl acetate |
| WEL TWA (OEL TWA) [1] | 616 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 200 ppm |
| WEL STEL (OEL STEL) | 770 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 250 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| ethyl methyl ketone (78-93-3) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 1161 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 600 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 31 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 106 mg/m ³ |
| Long-term - systemic effects, dermal | 412 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 55.8 mg/l |
| PNEC aqua (marine water) | 55.8 mg/l |
| PNEC aqua (intermittent, freshwater) | 55.8 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 284.74 mg/kg dwt |
| PNEC sediment (marine water) | 284.7 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 22.5 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 1000 mg/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 709 mg/l |

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reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2)

DNEL/DMEL (Workers)

| | |
|--|------------------------|
| Long-term - systemic effects, dermal | 0.05 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 0.35 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|-------------------------|
| Long-term - systemic effects, oral | 0.025 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 0.085 mg/m ³ |
| Long-term - systemic effects, dermal | 0.25 mg/kg bw/day |

PNEC (Water)

| | |
|--------------------------|--------------|
| PNEC aqua (freshwater) | 0.0023 mg/l |
| PNEC aqua (marine water) | 0.00023 mg/l |

PNEC (Sediment)

| | |
|------------------------------|-----------------|
| PNEC sediment (freshwater) | 3.37 mg/kg dwt |
| PNEC sediment (marine water) | 0.337 mg/kg dwt |

PNEC (Soil)

| | |
|-----------|-------------|
| PNEC soil | 2 mg/kg dwt |
|-----------|-------------|

PNEC (STP)

| | |
|-----------------------------|---------|
| PNEC sewage treatment plant | 10 mg/l |
|-----------------------------|---------|

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

DNEL/DMEL (Workers)

| | |
|--|--|
| Long-term - systemic effects, inhalation | 0.68 mg/m ³ (DGUV DNEL List 2019) |
|--|--|

n-butyl acetate (123-86-4)

DNEL/DMEL (Workers)

| | |
|--|-----------------------|
| Acute - systemic effects, dermal | 11 mg/kg bw/day |
| Acute - systemic effects, inhalation | 600 mg/m ³ |
| Acute - local effects, inhalation | 600 mg/m ³ |
| Long-term - systemic effects, dermal | 11 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 300 mg/m ³ |
| Long-term - local effects, inhalation | 300 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|------------------------|
| Acute - systemic effects, dermal | 6 mg/kg bw/day |
| Acute - systemic effects, inhalation | 300 mg/m ³ |
| Acute - systemic effects, oral | 2 mg/kg bw/day |
| Acute - local effects, inhalation | 300 mg/m ³ |
| Long-term - systemic effects, oral | 2 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 35.7 mg/m ³ |
| Long-term - systemic effects, dermal | 6 mg/kg bw/day |

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| n-butyl acetate (123-86-4) | |
|--|--------------------------|
| Long-term - local effects, inhalation | 35.7 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.18 mg/l |
| PNEC aqua (marine water) | 0.018 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.36 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.981 mg/kg dwt |
| PNEC sediment (marine water) | 0.0981 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.0903 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 35.6 mg/l |
| cyclohexanone (108-94-1) | |
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | 100 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 100 mg/m ³ |
| Acute - local effects, inhalation | 100 mg/m ³ |
| Long-term - systemic effects, dermal | 10 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 20 mg/m ³ |
| Long-term - local effects, inhalation | 20 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 30 mg/kg bw/day |
| Acute - systemic effects, inhalation | 50 mg/m ³ |
| Acute - systemic effects, oral | 10 mg/kg bw/day |
| Acute - local effects, inhalation | 50 mg/m ³ |
| Long-term - systemic effects, oral | 5 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 50 mg/m ³ |
| Long-term - systemic effects, dermal | 20 mg/kg bw/day |
| Long-term - local effects, inhalation | 20 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.033 mg/l |
| PNEC aqua (marine water) | 0.003 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.249 mg/kg dwt |
| PNEC sediment (marine water) | 0.025 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.03 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |

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| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|--------------------------|
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 550 mg/m ³ |
| Long-term - systemic effects, dermal | 796 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 275 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 36 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 33 mg/m ³ |
| Long-term - systemic effects, dermal | 320 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 33 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.635 mg/l |
| PNEC aqua (marine water) | 0.0635 mg/l |
| PNEC aqua (intermittent, freshwater) | 6.35 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3.29 mg/kg dwt |
| PNEC sediment (marine water) | 0.329 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.29 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 mg/l |
| acetone (67-64-1) | |
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 2420 mg/m ³ |
| Long-term - systemic effects, dermal | 186 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1210 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 62 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 200 mg/m ³ |
| Long-term - systemic effects, dermal | 62 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 10.6 mg/l |
| PNEC aqua (marine water) | 1.06 mg/l |
| PNEC aqua (intermittent, freshwater) | 21 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 30.4 mg/kg dwt |
| PNEC sediment (marine water) | 3.04 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 29.5 mg/kg dwt |

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| acetone (67-64-1) | |
|--|-------------------------|
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 mg/l |
| methyl acetate (79-20-9) | |
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 3777 mg/m ³ |
| Long-term - systemic effects, dermal | 88 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 610 mg/m ³ |
| Long-term - local effects, inhalation | 305 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 203 mg/kg bw/day |
| Acute - systemic effects, inhalation | 3777 mg/m ³ |
| Acute - systemic effects, oral | 203 mg/kg bw/day |
| Long-term - systemic effects, oral | 44 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 131 mg/m ³ |
| Long-term - systemic effects, dermal | 44 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 152 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (intermittent, freshwater) | 1.2 mg/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Black. |
| Appearance | : aerosol. |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Extremely flammable aerosol. |
| Explosive properties | : Pressurised container: May burst if heated. |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : -60 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : 0.73 g/cm ³ |
| Relative density | : Not available |
| Relative vapour density at 20 °C | : Not available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 89.8460211999994

9.2.2. Other safety characteristics

VOC content : 650 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ethyl methyl ketone (78-93-3)

| | |
|--------------------|--|
| LD50 oral rat | 2193 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 10 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |

cellulose acetate butyrate (9004-36-8)

| | |
|---------------|---------------------------|
| LD50 oral rat | > 3200 mg/kg |
| LD50 dermal | > 1000 mg/kg (Guinea pig) |

2-phenoxyethanol (122-99-6)

| | |
|-----------------------|--|
| LD50 oral rat | 1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 14391 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit | > 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August. 1979) |
| LC50 Inhalation - Rat | > 1 mg/l air Animal: rat, Guideline: other:OECD 412 |

toluene (108-88-3)

| | |
|---------------------------------|--|
| LD50 oral rat | 5580 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 5300 - 5910 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 9,63 - 20,77 |
| LC50 Inhalation - Rat | 25.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours)) |
| LC50 Inhalation - Rat (Vapours) | 25.7 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours)) |

reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2)

| | |
|---------------|---|
| LD50 oral rat | > 5000 mg/kg (OECD Guideline No. 401 (equivalent to Annex V), limit test, rat, male/female) |
|---------------|---|

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| | |
|---|---|
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2) | |
| LD50 dermal rat | > 2000 mg/kg (OECD Guideline No. 402 (equivalent to Annex V), limit test, rat, male/female) |
| LC50 Inhalation - Rat | 5800 mg/l (OECD Guideline 403, 14d, rat) |
| reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5) | |
| LD50 oral rat | 3230 mg/kg (OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), rat, male/female) |
| LD50 dermal rat | > 3170 mg/kg (OECD Guideline 402 (Acute Dermal Toxicity), read-across, |
| n-butyl acetate (123-86-4) | |
| LD50 oral rat | 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat) |
| LC50 Inhalation - Rat [ppm] | 390 ppm/4h |
| LC50 Inhalation - Rat (Vapours) | > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours) |
| cyclohexanone (108-94-1) | |
| LD50 oral rat | 1890 – 2650 mg/kg bodyweight (BASF test, Rat, Experimental value, Oral, 7 day(s)) |
| LD50 oral | 1620 mg/kg |
| LD50 dermal rabbit | 1100 mg/kg (BRENNTAG test) |
| LC50 Inhalation - Rat | > 6.2 mg/l air Animal: rat |
| LC50 Inhalation - Rat (Vapours) | 8000 mg/l/4h |
| butyl glycoether (111-76-2) | |
| LD50 oral rat | 1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301 |
| LD50 oral | 1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961 |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | 450 ppm (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value) |
| bis(2-ethylhexyl) terephthalate (6422-86-2) | |
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: other:TSCA FHSA Regulations (1979): 16 CFR Part 1500.40 (Hazardous Substances and Articles, Administration and Enforcement Regulations) |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LD50 oral rat | 6190 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

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| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|--|--|
| LD50 dermal rabbit | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | 1728 ppm/4h (4 h, OECD Guideline 403 (Acute Inhalation Toxicity), rat, male/female, Inhalation, vapours) |
| C22-30 chlorinated paraffin (chlorination: 42-48%) (63449-39-8) | |
| LD50 oral rat | > 11700 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-1 (Acute Oral Toxicity) |
| LD50 oral | > 23400 mg/kg bodyweight Animal: mouse, Guideline: EPA OPP 81-1 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 13900 mg/kg |
| reaction mass of ethylbenzene, m-xylene and p-xylene | |
| LD50 oral rat | 3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male) |
| LD50 dermal rabbit | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat [ppm] | 6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours) |
| hydrocarbons, C9, aromatics (64742-95-6) | |
| LD50 oral rat | 8400 ml/kg |
| LD50 dermal rabbit | 3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female) |
| LC50 Inhalation - Rat [ppm] | 3400 ppm/4h |
| LC50 Inhalation - Rat (Vapours) | > 5 mg/l/4h |
| Xylene (1330-20-7) | |
| LD50 oral rat | 3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days) |
| LD50 dermal rabbit | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat [ppm] | 6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male) |
| octamethylcyclotetrasiloxane (556-67-2) | |
| LD50 oral rat | > 4800 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2400 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Dermal) |
| LC50 Inhalation - Rat | 36 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| acetone (67-64-1) | |
| LD50 oral rat | 5800 mg/kg bodyweight Animal: rat, Animal sex: female |
| LD50 dermal rabbit | > 15800 mg/kg bodyweight (24 h, Rabbit, Male, Weight of evidence, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4 |
| methyl acetate (79-20-9) | |
| LD50 oral rat | 6482 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

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| methyl acetate (79-20-9) | |
|--|--|
| LC50 Inhalation - Rat | 49 mg/l |
| ethylbenzene (100-41-4) | |
| LD50 oral rat | 3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | 15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal) |
| LC50 Inhalation - Rat | 17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours)) |
| silicon dioxide, amorphous (7631-86-9) | |
| LD50 oral rat | > 10000 mg/kg (Rat, Oral) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit, Dermal) |
| Unknown acute toxicity (CLP) - SDS | : 5.62% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours)) |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| cyclohexanone (108-94-1) | |
| IARC group | 3 - Not classifiable |
| reaction mass of ethylbenzene, m-xylene and p-xylene | |
| IARC group | 2B - Possibly carcinogenic to humans |
| C22-30 chlorinated paraffin (chlorination: 42-48%) (63449-39-8) | |
| NOAEL (chronic, oral, animal/male, 2 years) | > 3750 mg/kg bodyweight Animal: rat, Animal sex: male |
| NOAEL (chronic, oral, animal/female, 2 years) | 100 mg/kg bodyweight Animal: rat, Animal sex: female |
| Reproductive toxicity | : Not classified |
| 2-phenoxyethanol (122-99-6) | |
| LOAEL (animal/male, F1) | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP |
| LOAEL (animal/female, F1) | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP |
| NOAEL (animal/female, F0/P) | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP |
| hydrocarbons, C9, aromatics (64742-95-6) | |
| NOAEL (animal/male, F0/P) | 7500 mg/kg |
| NOAEL (animal/female, F0/P) | 7500 mg/kg |
| acetone (67-64-1) | |
| LOAEL (animal/female, F0/P) | 11298 mg/kg bodyweight Animal: mouse, Animal sex: female |
| NOAEL (animal/male, F0/P) | 900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information) |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| ethyl methyl ketone (78-93-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |

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| | |
|---|---|
| toluene (108-88-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| n-butyl acetate (123-86-4) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| 2-methoxypropyl acetate (70657-70-4) | |
| STOT-single exposure | May cause respiratory irritation. |
| reaction mass of ethylbenzene, m-xylene and p-xylene | |
| STOT-single exposure | May cause respiratory irritation. |
| hydrocarbons, C9, aromatics (64742-95-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. May cause respiratory irritation. |
| Xylene (1330-20-7) | |
| STOT-single exposure | May cause respiratory irritation. |
| acetone (67-64-1) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| methyl acetate (79-20-9) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |
| 2-phenoxyethanol (122-99-6) | |
| LOAEL (oral, rat, 90 days) | > 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| LOAEL (dermal, rat/rabbit, 90 days) | > 500 mg/kg bodyweight Animal: rabbit |
| NOAEL (oral, rat, 90 days) | 700 mg/kg bodyweight/day |
| NOAEL (dermal, rat/rabbit, 90 days) | 500 mg/kg bodyweight Animal: rabbit |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.0482 mg/l/6h/day |
| toluene (108-88-3) | |
| LOAEL (oral, rat, 90 days) | 1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days) | 625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, vapour, 90 days) | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| cyclohexanone (108-94-1) | |
| NOAEL (oral, rat, 90 days) | 143 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| butyl glycolether (111-76-2) | |
| NOAEL (dermal, rat/rabbit, 90 days) | > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

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| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |
| reaction mass of ethylbenzene, m-xylene and p-xylene | |
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| hydrocarbons, C9, aromatics (64742-95-6) | |
| NOAEL (oral, rat, 90 days) | 600 mg/kg bodyweight/day |
| NOAEC (inhalation, rat, vapour, 90 days) | 900 – 1800 mg/m ³ |
| Xylene (1330-20-7) | |
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| methyl acetate (79-20-9) | |
| LOAEC (inhalation, rat, vapour, 90 days) | 2000 mg/l |
| NOAEC (inhalation, rat, vapour, 90 days) | 1057 mg/m ³ |
| ethylbenzene (100-41-4) | |
| NOAEL (oral, rat, 90 days) | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| STOT-repeated exposure | May cause damage to organs (hearing sense) through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
| TRIM #11 SATIN BLACK HIGH BUILD TOPCOAT AEROSOL | |
| Vaporizer | aerosol |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

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| ethyl methyl ketone (78-93-3) | |
|---|--|
| LC50 - Fish [1] | 2993 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 308 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | 2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| ErC50 algae | 1972 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate) |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2) | |
| LC50 - Fish [1] | 2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| ErC50 algae | > 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |
| n-butyl acetate (123-86-4) | |
| LC50 - Fish [1] | 18 mg/l Test organisms (species): Pimephales promelas |
| LC50 - Fish [2] | 62 mg/l (Leuciscus idus, static system) |
| EC50 - Crustacea [1] | 44 mg/l Test organisms (species): Daphnia sp. |
| ErC50 algae | 397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP) |
| NOEC (chronic) | 23 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic crustacea | 23 mg/l |
| cyclohexanone (108-94-1) | |
| LC50 - Fish [1] | 527 – 732 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP) |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LC50 - Fish [1] | > 100 mg/l Test organisms (species): Oryzias latipes |
| EC50 - Crustacea [1] | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| ErC50 algae | > 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |
| NOEC (chronic) | \geq 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d' |

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| reaction mass of ethylbenzene, m-xylene and p-xylene | |
|---|---|
| LC50 - Fish [1] | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia |
| EC50 72h - Algae [1] | 1.3 mg/l |
| NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |
| hydrocarbons, C9, aromatics (64742-95-6) | |
| LC50 - Fish [1] | 9.22 mg/l (Oncorhynchus mykiss) |
| EC50 - Crustacea [1] | 6.14 mg/l 48 h, Daphnia magna |
| ErC50 algae | 2.9 mg/l |
| acetone (67-64-1) | |
| LC50 - Fish [1] | 6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) |
| LOEC (chronic) | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| methyl acetate (79-20-9) | |
| LC50 - Fish [1] | 250 – 350 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 1026.7 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| 12.2. Persistence and degradability | |
| ethyl methyl ketone (78-93-3) | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 2.03 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.31 g O ₂ /g substance |
| ThOD | 2.44 g O ₂ /g substance |
| n-butyl acetate (123-86-4) | |
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 2.21 g O ₂ /g substance |
| BOD (% of ThOD) | 0.46 |
| cyclohexanone (108-94-1) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.232 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.605 g O ₂ /g substance |
| ThOD | 2.605 g O ₂ /g substance |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |

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| hydrocarbons, C9, aromatics (64742-95-6) | |
|---|--|
| Persistence and degradability | Readily biodegradable in water. |
| acetone (67-64-1) | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.43 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.92 g O ₂ /g substance |
| ThOD | 2.2 g O ₂ /g substance |
| methyl acetate (79-20-9) | |
| Persistence and degradability | Readily biodegradable in water. |
| 12.3. Bioaccumulative potential | |
| ethyl methyl ketone (78-93-3) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2) | |
| BCF - Fish [1] | 2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) |
| n-butyl acetate (123-86-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| cyclohexanone (108-94-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.86 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| acetone (67-64-1) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.23 (Test data) |
| Bioaccumulative potential | Not bioaccumulative. |
| methyl acetate (79-20-9) | |
| BCF - Fish [1] | < 1 (Pisces, Literature study) |
| Partition coefficient n-octanol/water (Log Pow) | 0.18 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

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12.4. Mobility in soil

ethyl methyl ketone (78-93-3)

| | |
|--|--|
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.654 – 1.281 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. Slightly harmful to plants. |

n-butyl acetate (123-86-4)

| | |
|--|--|
| Surface tension | 61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

cyclohexanone (108-94-1)

| | |
|--|--|
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.18 (log Koc, SRC PCKOCWIN v1.66, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

2-methoxy-1-methylethyl acetate (108-65-6)

| | |
|--|--|
| Surface tension | 29.4 mN/m (20 °C, 100 vol %, EU Method A.5: Surface tension) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.602 – 1.079 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

acetone (67-64-1)

| | |
|--|--|
| Surface tension | 23300 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

methyl acetate (79-20-9)

| | |
|--|--|
| Surface tension | 24 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil | Highly mobile in soil. |

12.5. Results of PBT and vPvB assessment

Component

| | |
|--|---|
| methyl acetate (79-20-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| acetone (67-64-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| n-butyl acetate (123-86-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2-methoxy-1-methylethyl acetate (108-65-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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| Component | |
|-------------------------------|---|
| ethyl methyl ketone (78-93-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| cyclohexanone (108-94-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR) : UN 1950
UN-No. (IMDG) : UN 1950
UN-No. (IATA) : UN 1950
UN-No. (ADN) : UN 1950
UN-No. (RID) : UN 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable
Proper Shipping Name (ADN) : AEROSOLS
Proper Shipping Name (RID) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1
Transport document description (ADN) : UN 1950 AEROSOLS, 2.1
Transport document description (RID) : UN 1950 AEROSOLS, 2.1

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 2.1
Danger labels (ADR) : 2.1
:



IMDG

Transport hazard class(es) (IMDG) : 2.1
Danger labels (IMDG) : 2.1

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IATA

Transport hazard class(es) (IATA) : 2.1
Danger labels (IATA) : 2.1



ADN

Transport hazard class(es) (ADN) : 2.1
Danger labels (ADN) : 2.1



RID

Transport hazard class(es) (RID) : 2.1
Danger labels (RID) : 2.1



14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code (ADR) : D

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Transport by sea

| | |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG) | : 63, 190, 277, 327, 344, 381, 959 |
| Packing instructions (IMDG) | : P207, LP200 |
| Special packing provisions (IMDG) | : PP87, L2 |
| EmS-No. (Fire) | : F-D |
| EmS-No. (Spillage) | : S-U |
| Stowage category (IMDG) | : None |
| Stowage and handling (IMDG) | : SW1, SW22 |
| Segregation (IMDG) | : SG69 |

Air transport

| | |
|--|--------------------|
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Y203 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 203 |
| PCA max net quantity (IATA) | : 75kg |
| CAO packing instructions (IATA) | : 203 |
| CAO max net quantity (IATA) | : 150kg |
| Special provisions (IATA) | : A145, A167, A802 |
| ERG code (IATA) | : 10L |

Inland waterway transport

| | |
|-----------------------------------|----------------------|
| Classification code (ADN) | : 5F |
| Special provisions (ADN) | : 190, 327, 344, 625 |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E0 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01, VE04 |
| Number of blue cones/lights (ADN) | : 1 |

Rail transport

| | |
|---|----------------------|
| Classification code (RID) | : 5F |
| Special provisions (RID) | : 190, 327, 344, 625 |
| Limited quantities (RID) | : 1L |
| Excepted quantities (RID) | : E0 |
| Packing instructions (RID) | : P207, LP200 |
| Special packing provisions (RID) | : PP87, RR6, L2 |
| Mixed packing provisions (RID) | : MP9 |
| Transport category (RID) | : 2 |
| Special provisions for carriage – Packages (RID) | : W14 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12 |
| Colis express (express parcels) (RID) | : CE2 |
| Hazard identification number (RID) | : 23 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|---------|---|
| 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 |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

Full text of H- and EUH-statements:

| | |
|---------------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aerosol 1 | Aerosol, Category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| 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. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

For professional use only.

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