

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Name : Fast drying acrylic filler
Trade name : DART FILLER 2000

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/mixture : The product is intended for professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

NOVOL Sp. z o.o.

Żabikowska 7/9

62-052 KOMORNIKI

Poland

T 0048618109800 - F 0048618109809

www.novol.com

E-mail address of competent person responsible for the SDS : dokumentacja@novol.com

1.4. Emergency telephone number

Emergency number : 112

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids, Category 3 H226

Skin corrosion/irritation, Category 2 H315

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Warning

Contains :

xylene

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 - Avoid breathing vapours, spray.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P312 - Call doctor if you feel unwell.

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

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH 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 at a concentration equal to or greater than 0,1 %

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] |
|--|--|---------|---|
| xylene substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note C) | CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32 | 13 – 18 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 |
| n-butyl acetate substance with national workplace exposure limit(s) (GB); 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 | 10 – 15 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] substance with national workplace exposure limit(s) (GB) (Note V)(Note W)(Note 10) | CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17 | < 10 | Carc. 2, H351 |
| ethyl acetate substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 | 1 – 2 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note V : If the substance is to be placed on the market as fibres (with diameter $< 3 \mu\text{m}$, length $> 5 \mu\text{m}$ and aspect ratio $\geq 3:1$) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W : It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : General information. Refer to section 11. |
| First-aid measures after inhalation | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation continues, consult a doctor. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| First-aid measures after ingestion | : If swallowed: rinse mouth. Do NOT induce vomiting. Call a physician immediately. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Vapours may cause drowsiness and dizziness. |
| Symptoms/effects after skin contact | : Prolonged or repeated contact may cause skin to become dry. |
| Symptoms/effects after eye contact | : May cause eye irritation. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Dry chemical, CO ₂ , alcohol-resistant foam or waterspray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---------------------------------------|
| Hazardous decomposition products in case of fire | : Carbon monoxide. Other toxic gases. |
|--|---------------------------------------|

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

| | |
|----------------------|--|
| Protective equipment | : Remove ignition sources. Ensure that there is a suitable ventilation system. Avoid any direct or indirect contact with ingredients released. Avoid contact with skin and eyes. Use personal protective equipment as required. See Section 8. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. See Section 8. |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains. Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|--|
| For containment | : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Mechanically recover the product. |
|-----------------|--|

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6.4. Reference to other sections

Disposal considerations. See Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| xylene (1330-20-7) | |
|---|---|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Xylene, mixed isomers, pure |
| IOEL TWA [ppm] | 50 ppm |
| IOEL STEL | 442 mg/m ³ |
| IOEL STEL [ppm] | 100 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Xylene |
| WEL TWA (OEL TWA) [1] | 220 mg/m ³ o-,m-,p- or mixed isomers |
| WEL TWA (OEL TWA) [2] | 50 ppm o-,m-,p- or mixed isomers |
| WEL STEL (OEL STEL) | 441 mg/m ³ o-,m-,p- or mixed isomers |
| WEL STEL (OEL STEL) [ppm] | 100 ppm o-,m-,p- or mixed isomers |
| 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 | Xylene, o-, m-, p- or mixed isomers |
| BMGV | 650 mmol/mol Creatinine Parameter: methyl hippuric acid - 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 [ppm] | 50 ppm |
| IOEL STEL | 723 mg/m ³ |
| IOEL STEL [ppm] | 150 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2019/1831 |
| 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 |
| ethyl acetate (141-78-6) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Ethyl acetate |
| IOEL TWA [ppm] | 200 ppm |
| IOEL STEL | 1468 mg/m ³ |
| IOEL STEL [ppm] | 400 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Ethyl acetate |
| WEL TWA (OEL TWA) [1] | 734 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 200 ppm |
| WEL STEL (OEL STEL) | 1468 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 400 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Titanium dioxide |
| WEL TWA (OEL TWA) [1] | 4 mg/m ³ respirable 10 mg/m ³ total inhalable |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

| Monitoring methods | |
|---------------------------|---|
| Monitoring methods | EN 482. Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. |

8.1.3. Air contaminants formed

No additional information available

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8.1.4. DNEL and PNEC

| xylene (1330-20-7) | |
|--|--------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 289 mg/m ³ |
| Acute - local effects, inhalation | 289 mg/m ³ |
| Long-term - systemic effects, dermal | 180 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 77 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 174 mg/m ³ |
| Acute - local effects, inhalation | 174 mg/m ³ |
| Long-term - systemic effects, oral | 1.6 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 14.8 mg/m ³ |
| Long-term - systemic effects, dermal | 108 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.327 mg/l |
| PNEC aqua (marine water) | 0.327 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.327 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 12.46 mg/kg dwt |
| PNEC sediment (marine water) | 12.46 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 2.31 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 6.58 mg/l |
| n-butyl acetate (123-86-4) | |
| 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 |
| ethyl acetate (141-78-6) | |
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 1468 mg/m ³ |
| Acute - local effects, inhalation | 1468 mg/m ³ |

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| ethyl acetate (141-78-6) | |
|--|--------------------------|
| Long-term - systemic effects, dermal | 63 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 734 mg/m ³ |
| Long-term - local effects, inhalation | 734 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 734 mg/m ³ |
| Acute - local effects, inhalation | 734 mg/m ³ |
| Long-term - systemic effects, oral | 4.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 367 mg/m ³ |
| Long-term - systemic effects, dermal | 37 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 367 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.24 mg/l |
| PNEC aqua (marine water) | 0.024 mg/l |
| PNEC aqua (intermittent, freshwater) | 1.65 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 1.15 mg/kg dwt |
| PNEC sediment (marine water) | 0.115 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.148 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 0.2 g/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 650 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

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Hand protection:

Protective gloves

| Hand protection | | | | | |
|-------------------|----------------------|-------------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Viton® II | 6 (> 480 minutes) | 0,7 mm | | EN 374-3 |
| Disposable gloves | Nitrile rubber (NBR) | 2 (> 30 minutes) | 0,4 mm | | EN 374-3 |

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Respiratory protection | | | |
|---------------------------|--------------|-----------|----------|
| Device | Filter type | Condition | Standard |
| Gas mask with filter type | Filter A1/B1 | | EN 14387 |

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 | : Various colours. |
| Odour | : characteristic. |
| Odour threshold | : 0.9 – 9 mg/m ³ Xylene |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : 126 – 145 °C |
| Flammability | : Not applicable |
| Explosive properties | : No data available. |
| Explosive limits | : Not available |
| Lower explosion limit | : 1.1 vol % Xylene |
| Upper explosion limit | : 8 vol % Xylene |
| Flash point | : 24 °C |
| Auto-ignition temperature | : 270 – 300 °C |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : 5000 mm ² /s |
| Solubility | : Slightly soluble. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.5 g/cm ³ |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from sources of ignition. Prevent build-up of electrostatic charges (e.g. by grounding). Protect from sunlight. Avoid high temperatures.

10.5. Incompatible materials

No contact with: strong acids, strong bases and strong oxidants.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon monoxide. Other toxic gases.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| xylene (1330-20-7) | |
|--|---|
| LD50 oral rat | 3523 mg/kg rat |
| LD50 dermal rabbit | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat | 27124 mg/l |
| n-butyl acetate (123-86-4) | |
| LD50 oral rat | 12.2 ml/kg Source: ECHA |
| LC50 Inhalation - Rat (Vapours) | > 4.9 mg/l Source: ECHA |
| ethyl acetate (141-78-6) | |
| LD50 oral rat | 11.3 ml/kg Source: ECHA |
| LD50 oral | 4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| LC50 Inhalation - Rat (Dust/Mist) | > 6.82 mg/l Source: ECHA |
| Skin corrosion/irritation | : Causes skin irritation. |
| n-butyl acetate (123-86-4) | |
| pH | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |

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| | |
|--|---|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| pH | 7 Source: ECHA |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| n-butyl acetate (123-86-4) | |
| pH | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| pH | 7 Source: ECHA |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified. (Based on available data, the classification criteria are not met) |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| IARC group | 2B - Possibly carcinogenic to humans |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| n-butyl acetate (123-86-4) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| ethyl acetate (141-78-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| 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) |
| n-butyl acetate (123-86-4) | |
| LOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents) |
| NOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents) |
| ethyl acetate (141-78-6) | |
| LOAEL (oral, rat, 90 days) | 3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test) |
| NOAEL (oral, rat, 90 days) | 900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test) |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| DART FILLER 2000 | |
| Viscosity, kinematic | 5000 mm ² /s |
| n-butyl acetate (123-86-4) | |
| Viscosity, kinematic | 0.83 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)' |

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

Not rapidly degradable

| xylene (1330-20-7) | |
|---------------------------|--|
| 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 |
| NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |

| n-butyl acetate (123-86-4) | |
|------------------------------------|--|
| LC50 - Fish [1] | 18 mg/l Source: ECHA |
| EC50 - Crustacea [1] | 44 mg/l Source: ECHA |
| EC50 - Other aquatic organisms [1] | 32 mg/l Test organisms (species): Artemia salina |
| EC50 72h - Algae [1] | 674.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 246 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | 47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| ethyl acetate (141-78-6) | |
|---------------------------------|---|
| LC50 - Fish [1] | 230 mg/l Source: ECHA |
| NOEC (chronic) | 2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] (13463-67-7) | |
|---|------------------------|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 72h - Algae [1] | > 50 mg/l Source: ECHA |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| n-butyl acetate (123-86-4) | |
|---|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.78 Source: HSDB |

| ethyl acetate (141-78-6) | |
|---|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.73 Source: ICSC |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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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

| | |
|--|---|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Do not discharge into drains. |
| Product/Packaging disposal recommendations | : This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. After cleaning, recycle or dispose of at an authorised site. |
| Additional information | : Flammable vapours may accumulate in the container. |
| European List of Waste (LoW) code | : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR | IMDG | IATA |
|---|---|---|
| 14.1. UN number or ID number | | |
| UN 1263 | UN 1263 | UN 1263 |
| 14.2. UN proper shipping name | | |
| PAINT | PAINT | Paint |
| Transport document description | | |
| UN 1263 PAINT, 3, III, (D/E) | UN 1263 PAINT, 3, III (24°C c.c.) | UN 1263 Paint, 3, III |
| 14.3. Transport hazard class(es) | | |
| 3 | 3 | 3 |
|  |  |  |
| 14.4. Packing group | | |
| III | III | III |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | |

14.6. Special precautions for user

Overland transport

| | |
|----------------------------------|--------|
| Classification code (ADR) | : F1 |
| Limited quantities (ADR) | : 5I |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Transport category (ADR) | : 3 |

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Special provisions for carriage - Packages (ADR) : V12

Tunnel restriction code (ADR) : D/E

EAC code : •3Y

Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L

Special packing provisions (IMDG) : PP1

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-E

Stowage category (IMDG) : A

Air transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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| 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 |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| 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 |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Data sources

: ECHA (European Chemicals Agency).

Training advice

: Handle in accordance with good industrial hygiene and safety procedures.

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| 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 |
| Carc. 2 | Carcinogenicity, Category 2 |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|------|-----------------------|
| Flam. Liq. 3 | H226 | On basis of test data |
| Skin Irrit. 2 | H315 | Calculation method |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.