

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

1.1. Product identifier

Product form : Mixture
Product name : Altro Flexiflow Comfort Base
Product code : FFC_B____
Product group : End product

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 : PU Based Industrial Flooring

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Altro Resin Systems
Unit 3 Station Road Industrial Estate
Station Road
GB- DT2 0AE Maiden Newton Dorchester
T 01300 320620
sds@altro.com - www.altro.com

Other

Altro GmbH
Ebertallee 209
06846 Dessau-Roßlau
DE
T +49 (0) 340 6500-0

1.4. Emergency telephone number

Emergency number : 01462 480480
Monday - Friday 09:00-17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411
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) :



GHS09

Signal word (CLP) : -

Hazard statements (CLP) : H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P391 - Collect spillage.

2.3. Other hazards

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

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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] |
|--|--|-------------|---|
| Barium sulphate | CAS-No.: 7727-43-7 EC-No.: 231-784-4 | ≥ 10 | Aquatic Chronic 2, H411 |
| Phenoxypropanol | CAS-No.: 770-35-4 EC-No.: 212-222-7 REACH-no: 01-2119486566-23 | ≥ 0.1 – < 3 | Eye Irrit. 2, H319 |
| 1,1',1'',1'''-Ethylenedinitrilotetrapropan-2-ol | CAS-No.: 102-60-3 EC-No.: 203-041-4 REACH-no: 01-2119552434-41 | ≥ 1 – < 3 | Eye Irrit. 2, H319 |
| Bis(isopropyl)naphthalene | CAS-No.: 38640-62-9 EC-No.: 254-052-6 REACH-no: 01-2119565150-48 | ≥ 1 – < 3 | Asp. Tox. 1, H304 Aquatic Chronic 1, H410 (M=1) |
| Toluene substance with national workplace exposure limit(s) (GB) | CAS-No.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3 REACH-no: 01-2119471310-51 | < 0.1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |

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 | : Take off all contaminated clothing and wash its before reuse. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Do not induce vomiting. Get medical advice/attention if you feel unwell. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : May cause irritation to the respiratory tract. |
| Symptoms/effects after skin contact | : irritation (itching, redness, blistering). |
| Symptoms/effects after eye contact | : Causes eye irritation. redness, itching, tears. |

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Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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 : Carbon dioxide (CO₂). Dry powder. Foam. In case of a larger fire, water spray should be used.

Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes. On burning: release of toxic gases/vapours. Carbon oxides (CO, CO₂). Nitrogenous substances.

5.3. Advice for firefighters

Firefighting instructions : Control run-off water by containing and keeping it out of sewers and watercourses.

Protection during firefighting : Use self-contained breathing apparatus and chemically 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 : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide local exhaust or general room ventilation. Avoid contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in original container. Keep cool. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep container tightly closed.

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7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Toluene (108-88-3) | |
|--|-----------------------|
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 191 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 50 ppm |
| WEL STEL (OEL STEL) | 384 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 100 ppm |

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

| Toluene (108-88-3) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 384 mg/m ³ |
| Acute - local effects, inhalation | 384 mg/m ³ |
| Long-term - systemic effects, dermal | 384 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 192 mg/m ³ |
| Long-term - local effects, inhalation | 192 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 226 mg/m ³ |
| Acute - local effects, inhalation | 226 mg/m ³ |
| Long-term - systemic effects, oral | 8.13 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 56.5 mg/m ³ |
| Long-term - systemic effects, dermal | 226 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 56.5 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.68 mg/l |
| PNEC aqua (marine water) | 0.68 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 16.39 mg/kg wet weight |
| PNEC sediment (marine water) | 16.39 mg/kg wet weight |
| PNEC (Soil) | |
| PNEC soil | 2.89 mg/kg dwt |

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| Toluene (108-88-3) | |
|--|----------------------------|
| PNEC (STP) | |
| PNEC sewage treatment plant | 13.61 mg/l |
| OCTAMETHYLCYCLOTETRASILOXANE (556-67-2) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, inhalation | 73 mg/m ³ |
| Long-term - local effects, inhalation | 73 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects,oral | 3.7 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 13 mg/m ³ |
| Long-term - local effects, inhalation | 13 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 1.5 µg/l |
| PNEC aqua (marine water) | 0.15 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3 mg/kg dwt |
| PNEC sediment (marine water) | 0.3 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.54 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 41 mg/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |
| Barium sulphate (7727-43-7) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, inhalation | 10 mg/m ³ |
| Long-term - local effects, inhalation | 10 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects,oral | 13000 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 10 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 115 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 600.4 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 207.7 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 62.2 mg/l |

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| Phenoxypropanol (770-35-4) | |
|---|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 42 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 25.7 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 3.65 mg/kg bodyweight/day |
| Long-term - systemic effects, dermal | 21 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.1 mg/l |
| PNEC aqua (marine water) | 0.01 mg/l |
| PNEC aqua (intermittent, freshwater) | 1 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.38 mg/kg dwt |
| PNEC sediment (marine water) | 0.038 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.02 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |
| 1,1',1'',1'''-Ethylenedinitrilotetrapropan-2-ol (102-60-3) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 4.2 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 29.4 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 2.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 8.7 mg/m ³ |
| Long-term - systemic effects, dermal | 2.5 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.085 mg/l |
| PNEC aqua (marine water) | 0.0085 mg/l |
| PNEC aqua (intermittent, freshwater) | 1.51 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.193 mg/kg dwt |
| PNEC sediment (marine water) | 0.0193 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.0183 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 70 mg/l |

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear eye protection

8.2.2.2. Skin protection

Skin and body protection:

Avoid contact with skin

Hand protection:

Standard EN 374 - Protective gloves against chemicals.

Other skin protection

Materials for protective clothing:

Keep work clothing separately

8.2.2.3. Respiratory protection

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

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 | : Not available |
| Appearance | : Coloured liquid. |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not available |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |

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| | |
|---|------------------|
| 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 | : Not available |
| 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

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

None under normal use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Not known.

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 |

| 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 | 28.1 mg/l/4h |

| Phenoxypropanol (770-35-4) | |
|----------------------------|--|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |

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| Phenoxypropanol (770-35-4) | |
|---|--|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: |
| LC50 Inhalation - Rat | > 5.4 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |
| 1,1',1'',1'''-Ethylenedinitrilotetrapropan-2-ol (102-60-3) | |
| LD50 oral rat | 2890 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| Bis(isopropyl)naphthalene (38640-62-9) | |
| LD50 oral rat | > 4000 mg/kg |
| LD50 dermal rat | > 4500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: |
| LC50 Inhalation - Rat | > 5.64 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Barium sulphate (7727-43-7) | |
| NOAEL (chronic, oral, animal/male, 2 years) | 60 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other: |
| NOAEL (chronic, oral, animal/female, 2 years) | 75 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other: |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| Toluene (108-88-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |
| 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. |
| Phenoxypropanol (770-35-4) | |
| NOAEL (oral, rat, 90 days) | 146 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| Aspiration hazard | : Not classified |
| Bis(isopropyl)naphthalene (38640-62-9) | |
| Viscosity, kinematic | 12.5 mm ² /s |

11.2. Information on other hazards

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Not rapidly degradable

| Toluene (108-88-3) | |
|---|--|
| LC50 - Fish [1] | 5.5 mg/l Test organisms (species): Oncorhynchus kisutch |
| EC50 - Crustacea [1] | 3.78 mg/l |
| EC50 72h - Algae [1] | 134 mg/l |
| LOEC (chronic) | 2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d' |
| NOEC (chronic) | 0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d' |
| NOEC chronic fish | 1.39 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d' |
| Barium sulphate (7727-43-7) | |
| EC50 72h - Algae [1] | > 1.15 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | > 30.07 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| Phenoxypropanol (770-35-4) | |
| LC50 - Fish [1] | 280 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) |
| 1,1',1'',1'''-Ethylenedinitrotetrapropan-2-ol (102-60-3) | |
| LC50 - Fish [1] | ≈ 4600 mg/l Test organisms (species): Leuciscus idus |
| EC50 72h - Algae [1] | 150.67 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic) | > 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Bis(isopropyl)naphthalene (38640-62-9) | |
| LC50 - Fish [1] | > 0.5 mg/l Test organisms (species): Leuciscus idus |
| EC50 - Crustacea [1] | > 0.16 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.15 mg/l |
| NOEC chronic crustacea | 0.013 mg/l 21 days |

12.2. Persistence and degradability

| Toluene (108-88-3) | |
|---------------------------|-------|
| Biodegradation | 100 % |

12.3. Bioaccumulative potential

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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 | : Must follow special treatment according to local regulation. |
| HP Code | : HP3 - "Flammable:" <ul style="list-style-type: none">– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. |
| | HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |

SECTION 14: Transport information



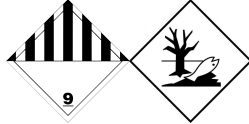

In accordance with ADR / IMDG / ADN / RID

| ADR | IMDG | ADN | RID |
|--|---|---|---|
| 14.1. UN number or ID number | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)) |
| Transport document description | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)), 9, III, MARINE POLLUTANT | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BIS(ISOPROPYL)NAPHTHALENE)), 9, III |

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| ADR | IMDG | ADN | RID |
|---|---|--|---|
| 14.3. Transport hazard class(es) | | | |
| 9 | 9 | 9 | 9 |
|  |  |  |  |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---|
| Classification code (ADR) | : M6 |
| Special provisions (ADR) | : 274, 335, 375, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |
| Orange plates | :  |
| Tunnel restriction code (ADR) | : - |
| EAC code | : •3Z |

Transport by sea

| | |
|-----------------------------------|-----------------|
| Special provisions (IMDG) | : 274, 335, 969 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : LP01, P001 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |
| Stowage category (IMDG) | : A |

Inland waterway transport

| | |
|---------------------------|------|
| Classification code (ADN) | : M6 |
|---------------------------|------|

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| | |
|-----------------------------------|----------------------|
| Special provisions (ADN) | : 274, 335, 375, 601 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : M6 |
| Special provisions (RID) | : 274, 335, 375, 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | : PP1 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T4 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29 |
| Tank codes for RID tanks (RID) | : LGBV |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31 |
| Colis express (express parcels) (RID) | : CE8 |
| Hazard identification number (RID) | : 90 |

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 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)

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| Name | CN designation | CAS-No. | CN code | Category | Threshold | Annex |
|---------|----------------|----------|------------|------------|-----------|---------|
| Toluene | | 108-88-3 | 2902 30 00 | Category 3 | | Annex I |

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|-------------------|--|
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

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.