



Zinc

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 10/10/2024 Revision date: 28/08/2024 Supersedes version of: 15/05/2024 Version: 1.2

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

1.1. Product identifier

Product name : Zinc
UFI : VAJY-U829-H00S-YNF8
Product code : BDS002627BU

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

Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Paints

1.3. Details of the supplier of the safety data sheet

Supplier

CRC Industries Europe B.V.
Touwslagerstraat 1
9240 Zele
Belgium
T +32(0)52/45.60.11, F +32(0)52/45.00.34
hse@crcind.com, www.crcind.com

1.4. Emergency telephone number

Emergency number : +32(0)52/45.60.11
Office hours: 9-17h CET

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|--------------|--|------------------------------|------------------|--|
| Belgium | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid | Rue Bruyn 1 1120 Brussels | +32 70 245 245 | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |

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
Hazardous to the aquatic environment – Acute Hazard, Category 1 H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P370+P378 - In case of fire: Use carbon dioxide (CO₂), dry sand, extinguishing powder, foam to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Contains no PBT and/or 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 substance(s) are 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

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|----------|---|
| zinc powder— zinc dust (stabilised) | CAS-No.: 7440-66-6 EC-No.: 231-175-3 EC Index-No.: 030-001-01-9 REACH-no: 01-2119467174-37 | 75 – 100 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | EC-No.: 919-857-5 REACH-no: 01-2119463258-33 | 10 – 25 | Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066 |
| zinc oxide substance with national workplace exposure limit(s) (BE) | CAS-No.: 1314-13-2 EC-No.: 215-222-5 EC Index-No.: 030-013-00-7 REACH-no: 01-2119463881-32 | 5 – 10 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Calcium bis(2-ethylhexanoate) | CAS-No.: 136-51-6 EC-No.: 205-249-0 REACH-no: 01-2119978297-19 | < 0,3 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318 Repr. 1B, H360D |

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 after inhalation | : Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Seek medical attention if irritation develops. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. Seek medical attention if irritation develops. |
| 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

No additional information available

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
| 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 | : During fire, gases hazardous to health may be formed. |
|--|---|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials. |
| 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

For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | : Wear appropriate protective equipment and clothing during clean-up. |
| Emergency procedures | : Ventilate spillage area. |

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". |
| Emergency procedures | : Evacuate unnecessary personnel. Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Collect spillage. |
| Methods for cleaning up | : For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Wear personal protective equipment. Ensure good ventilation of the work station. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures. |
| Hygiene measures | : 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 | : Store in a well-ventilated place. Keep cool. Keep container closed when not in use. |
|--------------------|---|

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

| zinc oxide (1314-13-2) | |
|---|--|
| Belgium - Occupational Exposure Limits | |
| Local name | Zinc (oxyde de) (fraction alvéolaire) # Zinkoxide (inadembare fractie) |
| OEL TWA | 2 mg/m ³ |
| OEL STEL | 10 mg/m ³ |
| Regulatory reference | Koninklijk besluit/Arrêté royal 16/11/2023 |

DNEL and PNEC

| zinc powder— zinc dust (stabilised) (7440-66-6) | |
|--|--------------------------|
| PNEC (Water) | |
| PNEC aqua (freshwater) | 14,4 µg/l |
| PNEC aqua (marine water) | 7,2 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 146,9 mg/kg dwt |
| PNEC sediment (marine water) | 162,2 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 83,1 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 µg/l |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 208 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 871 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 125 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 185 mg/m ³ |

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| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | |
|--|---------------------------|
| Long-term - systemic effects, dermal | 125 mg/kg bodyweight/day |
| zinc oxide (1314-13-2) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 83 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 5 mg/m ³ |
| Long-term - local effects, inhalation | 0,5 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects,oral | 0,83 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2,5 mg/m ³ |
| Long-term - systemic effects, dermal | 83 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 20,6 µg/l |
| PNEC aqua (marine water) | 6,1 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 117,8 mg/kg dwt |
| PNEC sediment (marine water) | 56,5 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 35,6 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 µg/l |

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Use eye protection according to EN 166. Safety glasses with side shields.

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

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Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. Filter type: A

Thermal hazards

Thermal hazard protection:

Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------------------|
| Physical state | : Liquid |
| Colour | : Grey. |
| Appearance | : Viscous liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : No data available |
| Freezing point | : Not available |
| Boiling point | : 115 – 200 °C |
| Flammability | : Non flammable. |
| Lower explosion limit | : 0,8 vol % |
| Upper explosion limit | : 7 vol % |
| Flash point | : 23 °C (closed cup) |
| Auto-ignition temperature | : > 200 °C |
| Decomposition temperature | : Not available |
| pH | : Not applicable |
| Viscosity, kinematic | : > 20,5 mm ² /s |
| Solubility | : Insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not applicable |
| Vapour pressure | : 0,2 kPa at 20 °C |
| Vapour pressure at 50°C | : Not available |
| Density | : 2,2 g/cm ³ at 20 °C |
| Relative density | : 2,2 at 20 °C |
| Relative vapour density at 20°C | : > 1 |
| Particle characteristics | : Not applicable |

9.2. Other information

Other safety characteristics

VOC content : 404 g/l (Cat.II B(e) VOC max 840 g/L)

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.

Hardening time : Not applicable.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Avoid temperatures exceeding the flash point.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO₂).

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) |

zinc powder— zinc dust (stabilised) (7440-66-6)

| | |
|-----------------------|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 5,41 mg/l/4h |

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

| | |
|--------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

zinc oxide (1314-13-2)

| | |
|-----------------------|-------------------------|
| LD50 oral rat | 7950 mg/kg |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | 2500 mg/l |

Calcium bis(2-ethylhexanoate) (136-51-6)

| | |
|-----------------|-------------------------|
| LD50 oral rat | 2043 mg/kg |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

| | |
|--|---|
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) pH: Not applicable |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) pH: Not applicable |
| 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) |
| 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) |

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

| | |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

| | |
|-------------------------------|---|
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
|-------------------------------|---|

Calcium bis(2-ethylhexanoate) (136-51-6)

| | |
|--|----------------------|
| NOAEL (subchronic, oral, animal/male, 90 days) | 180 mg/kg bodyweight |
| NOAEL (subchronic, oral, animal/female, 90 days) | 205 mg/kg bodyweight |

| | |
|--------------------------|---|
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
|--------------------------|---|

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| Zinc | |
|--|---------------------------|
| Viscosity, kinematic | > 20,5 mm ² /s |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | |
| Viscosity, kinematic | 1,33 mm ² /s |

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 substance(s) are 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 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | |
|--|-------------|
| LC50 - Fish [1] | > 1000 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l |
| EC50 - Other aquatic organisms [1] | > 1000 mg/l |
| EC50 72h - Algae [1] | > 1000 mg/l |

| Calcium bis(2-ethylhexanoate) (136-51-6) | |
|--|-------------------------------------|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | 910 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1] | 500 mg/l |
| NOEC (chronic) | 18 mg/l 21 d |

12.2. Persistence and degradability

| Zinc | |
|-------------------------------|---|
| Persistence and degradability | Not established. No data is available on the degradability of this product. |

12.3. Bioaccumulative potential

| Zinc | |
|---|----------------|
| Partition coefficient n-octanol/water (Log Kow) | Not applicable |
| zinc powder— zinc dust (stabilised) (7440-66-6) | |
| Partition coefficient n-octanol/water (Log Pow) | -0,47 |

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

Zinc

| | |
|---------------------------|--|
| Results of PBT assessment | Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII |
|---------------------------|--|

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : 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 substance(s) are 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 %.

12.7. Other adverse effects

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532) : According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|--|--|---|---|---|
| 14.1. UN number or ID number | | | | |
| UN 1263 | UN 1263 | UN 1263 | UN 1263 | UN 1263 |
| 14.2. UN proper shipping name | | | | |
| PAINT RELATED MATERIAL (Zinc Powder) | PAINT RELATED MATERIAL (Zinc Powder) | Paint related material (Zinc Powder) | PAINT RELATED MATERIAL (Zinc Powder) | PAINT RELATED MATERIAL (Zinc Powder) |
| Transport document description | | | | |
| UN 1263 PAINT RELATED MATERIAL (Zinc Powder), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT RELATED MATERIAL (Zinc Powder), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1263 Paint related material (Zinc Powder), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT RELATED MATERIAL (Zinc Powder), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT RELATED MATERIAL (Zinc Powder), 3, III, ENVIRONMENTALLY HAZARDOUS |
| 14.3. Transport hazard class(es) | | | | |
| 3 | 3 | 3 | 3 | 3 |
| | | | | |
| 14.4. Packing group | | | | |
| III | III | III | III | III |

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| ADR | IMDG | IATA | ADN | RID |
|--|---|------------------------------------|------------------------------------|------------------------------------|
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-E EmS-No. (Spillage): S-E | Dangerous for the environment: 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) | : F1 |
| Special provisions (ADR) | : 163, 367, 650 |
| 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) | : T2 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBF |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Hazard identification number (Kemler No.) | : 30 |
| Orange plates | :  |
| | :  |
| Tunnel restriction code (ADR) | : D/E |

Transport by sea

| | |
|------------------------------------|--|
| Special provisions (IMDG) | : 163, 223, 367, 955 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P001, LP01 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T2 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| Stowage category (IMDG) | : A |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition. |

Air transport

| | |
|--|-----------------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3, A72, A192 |
| ERG code (IATA) | : 3L |

Inland waterway transport

| | |
|---------------------------|-----------------|
| Classification code (ADN) | : F1 |
| Special provisions (ADN) | : 163, 367, 650 |

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| | |
|-----------------------------------|-------------|
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 163, 367, 650 |
| 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) | : T2 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Colis express (express parcels) (RID) | : CE4 |
| Hazard identification number (RID) | : 30 |

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

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)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 404 g/l (Cat.II B(e) VOC max 840 g/L)

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)

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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 |
| 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 disruptor |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| 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 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |
| H360D | May damage the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| Repr. 1B | Reproductive toxicity, Category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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