

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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Seal Tech Crystal 290ml

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

1.1. Product identifier

Trade name/designation:

Seal Tech Crystal 290ml

Article No.:

T569701

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

Use of the substance/mixture:

1-component moisture cure, methoxy silane based, adhesive/sealant for various industrial applications.

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

| Supplemental hazard information | |
|---------------------------------|---|
| EUH208 | Contains trimethoxyvinylsilane. May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages $\geq 0.1\%$.

The product does not contain any substances with endocrine-disrupting properties in concentrations of $\geq 0.1\%$.

The product reacts slowly in the presence of water (due to ambient humidity), becomes a rubbery solid and produces methanol.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers | Substance name Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|--|--|-------------------------|
| CAS No.: 2768-02-7 EC No.: 220-449-8 REACH No.: 01-2119513215-52-0003 | trimethoxyvinylsilane Acute Tox. 4 (H332), Flam. Liq. 3 (H226), Skin Sens. 1B (H317) Warning | 0.89 - < 1 weight-% |
| CAS No.: 52829-07-9 EC No.: 258-207-9 REACH No.: 01-2119537297-32 | bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Repr. 2 (H361f) Danger M-factor (acute): 1 | 0.8 - < 0.9 weight-% |
| CAS No.: 67-56-1 EC No.: 200-659-6 Index No.: 603-001-00-X | methanol Acute Tox. 3 (H301, H311, H331), Flam. Liq. 2 (H225), STOT SE 1 (H370), STOT SE 2 (H371) Danger Specific concentration limit (SCL) STOT SE 2; H371: C ≥ 3% | < 0.05 weight-% |

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Fresh air supply, consult a doctor in case of complaints.

In case of skin contact:

Take off contaminated clothing. Rinse skin with water. Consult a doctor if symptoms persist.

After eye contact:

Remove immediately with a clean cloth or paper and wash the affected area with soap and water.

Following ingestion:

Rinse mouth thoroughly with water.

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

No further relevant information available.

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, Foam, Powder, Water mist

Unsuitable extinguishing media:

None known

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of combustion products.

5.3. Advice for firefighters

The containers shall be cooled with water jets to prevent the decomposition of the product and the formation of potentially harmful substances. Complete fire protective clothing shall be worn at all times. Extinguishing water that is not allowed to enter the sewage pipes shall be collected. The water used for extinguishing and the fire residues shall be taken up in accordance with the regulations in force. Normal firefighting clothing, e.g. an open-circuit compressed air respirator (EN 137) firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30)

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

The leakage may be blocked if there is no danger. Appropriate protective devices (including personal protective devices as per para. 8 from the safety instructions) shall be put on to prevent contamination of skin, eyes and personal clothing. These instructions apply to both reprocessing supervisors and emergency stop interventions.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

The spilled product must be sucked into a suitable container. The container to be used shall be tested for compatibility with the product, subject to section 10. The residual product shall be absorbed with inert absorbent material. Adequate ventilation of the affected area shall be provided. Contaminated material must be disposed of in accordance with the regulations in section 13.

6.4. Reference to other sections

See section 7 for further information on safe handling.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Keep away from heat, sparks and free flame, refrain from smoking and use of matches or lighters.

Without the necessary ventilation, vapours may accumulate in the lower layers near the floor and may also ignite remotely with the risk of flashback. Accumulation of electrostatic charges must be avoided.

Eating, drinking and smoking are prohibited during product use. Wetted clothing and protective devices must be removed before entering the eating area. Avoid dispersal of the product in the environment.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep/Store only in original container. Store in a well-ventilated place. Keep cool.

Hints on storage assembly:

Do not store near sources of ignition.

Storage class (TRGS 510, Germany): 10 - Combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark |
|--------------------------------------|--|--|
| MAK (AT) | methanol CAS No.: 67-56-1 EC No.: 200-659-6 | ② 800 ppm (1,040 mg/m ³) ⑤ (max. 4x15 min./Schicht, kann über die Haut aufgenommen werden) H |
| MAK (AT) | methanol CAS No.: 67-56-1 EC No.: 200-659-6 | ① 200 ppm (260 mg/m ³) ⑤ (kann über die Haut aufgenommen werden) H |
| IOELV (EU) | methanol CAS No.: 67-56-1 EC No.: 200-659-6 | ① 200 ppm (260 mg/m ³) ⑤ (may be absorbed through the skin) |

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|------------------------|---|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 27.6 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 18.9 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 3.9 mg/kg | ① DNEL worker ② Long-term - dermal, systemic effects |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 7.8 mg/kg | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 0.3 mg/kg | ① DNEL Consumer ② Long-term - oral, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 5.6 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1.4 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 5.6 mg/m ³ | ① DNEL worker ② Acute - inhalation, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1.4 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, systemic effects |

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| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|------------|---|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 2 mg/kg | ① DNEL worker ② Long-term - dermal, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1 mg/kg | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 2 mg/kg | ① DNEL worker ② Acute - dermal, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1 mg/kg | ① DNEL Consumer ② Acute - dermal, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1 mg/kg | ① DNEL Consumer ② Long-term - oral, systemic effects |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1 mg/kg | ① DNEL Consumer ② Acute - oral, systemic effects |

| Substance name | PNEC Value | ① PNEC type |
|--|-------------|--------------------------------------|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 0.34 mg/L | ① PNEC aquatic, freshwater |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 0.034 mg/L | ① PNEC aquatic, marine water |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 110 mg/L | ① PNEC sewage treatment plant |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 0.27 mg/kg | ① PNEC sediment, freshwater |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 0.046 mg/kg | ① PNEC soil |
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 | 3.4 mg/L | ① PNEC aquatic, intermittent release |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 0.005 mg/L | ① PNEC aquatic, freshwater |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 0.0005 mg/L | ① PNEC aquatic, marine water |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1 mg/L | ① PNEC sewage treatment plant |

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| Substance name | PNEC Value | ① PNEC type |
|--|-------------|-------------------------------|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 8.02 mg/kg | ① PNEC sediment, freshwater |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 0.802 mg/kg | ① PNEC sediment, marine water |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 | 1.6 mg/kg | ① PNEC soil |

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Considering that appropriate protective measures should always take precedence over personal protective clothing, ensure that the workplace is well ventilated by effective local exhaust ventilation. For the selection of personal protective equipment, the trusted chemical manufacturers may need to be consulted. The personal protective equipment must be CE marked to indicate its suitability for the applicable regulations.

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles with side shields (EN 166).

Skin protection:

Hand protection:

Protect your hands with category III work gloves (EN 374 report). For the final choice of the material of the work gloves, the type of use must be evaluated. In case of short-term contact or as protection against occasional contact, use nitrile gloves (0.3 mm thickness, permeation time > 480 min). In case of continued exposure, use butlic rubber gloves (0.4 mm thickness, permeation time > 480 min). Contaminated gloves must be removed.

Skin protection:

Work clothing with long sleeves and category I accident protection shoes must be worn (see Regulation 2016/425 and standard EN ISO 20344). After taking off the protective clothing, one must wash with soap and water.

Respiratory protection:

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances contained in the product is exceeded, it is recommended to wear a mask of filter type A for organic vapours. The class (1,2 or 3) must be selected according to the concentration limit (1000, 5000 or 10000 ppm) (see standard EN 14387).v

8.2.3. Environmental exposure controls

Emissions from manufacturing processes, including those from ventilation equipment, should be checked for compliance with environmental legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste

Colour: transparent

Odour: characteristic

Safety relevant basis data

| Parameter | Value | ① Method ② Remark |
|---------------|-----------------------|----------------------|
| pH | <i>not applicable</i> | |
| Melting point | <i>not applicable</i> | |

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| Parameter | Value | ① Method |
|--|--------------------------|---|
| | | ② Remark |
| Initial boiling point and boiling range | <i>not applicable</i> | |
| Decomposition temperature | <i>not applicable</i> | |
| Evaporation rate | <i>No data available</i> | |
| Upper/lower flammability or explosive limits | <i>not applicable</i> | |
| Vapour pressure | <i>No data available</i> | |
| Relative density | 1.04 - 1.08 | ① ISO 1183-1 A |
| Water solubility | practically insoluble | |
| Dynamic viscosity | 6,000 - 95,000 Pa* s | ① UNI EN ISO 3219 - Rotational viscometer |

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product reacts slowly in the presence of water (due to ambient humidity), becomes a rubbery solid and produces methanol.

10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

No hazardous reactions expected under normal conditions.

10.4. Conditions to avoid

Humidity

10.5. Incompatible materials

Water

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Flue gas

SECTION 11: Toxicological information

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

| |
|--|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 |
| LD₅₀ oral: 7,236 mg/kg (Rat) |
| LD₅₀ dermal: 3,880 mg/kg (Rabbit) |
| LC₅₀ Acute inhalation toxicity (vapour): 11 mg/L 4 h |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 |
| LD₅₀ oral: 3,700 mg/kg (Rat) |
| LD₅₀ dermal: >3,170 mg/kg (Rat) |
| LC₅₀ Acute inhalation toxicity (dust/mist): 0.5 mg/L (Rat) |

Acute oral toxicity:

Not classified

Acute dermal toxicity:

Not classified

Acute inhalation toxicity:

Not classified

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

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Respiratory or skin sensitisation:

May cause allergic reactions. Contains trimethoxyvinylsilane.

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

11.2. Information on other hazards

Endocrine disrupting properties:

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

SECTION 12: Ecological information

12.1. Toxicity

| |
|--|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 |
| LC₅₀ : 191 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i>) |
| EC₅₀ : 167 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) |
| EC₅₀ : 957 mg/L 3 d (Algae/water plant) |
| NOEC : 25 mg/L (Algae/water plant, <i>Selenastrum capricornutum</i>) |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 |
| LC₅₀ : 4.4 mg/L 4 d (fish, <i>Brachydanio rerio</i>) |
| EC₅₀ : 0.57 mg/L 2 d (crustaceans, <i>Daphnia</i> sp.) |
| EC₅₀ : 1.9 mg/L 3 d (Algae/water plant, <i>Scenedesmus subspicatus</i>) |

Assessment/classification:

No further relevant information available.

12.2. Persistence and degradability

| |
|--|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 |
| Biodegradation : Yes, slowly |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 |
| Biodegradation : Yes, slowly |
| methanol CAS No.: 67-56-1 EC No.: 200-659-6 |
| Biodegradation : Yes, rapidly |

Additional information:

No further relevant information available.

12.3. Bioaccumulative potential

| |
|--|
| methanol CAS No.: 67-56-1 EC No.: 200-659-6 |
| Log K_{ow} : -0.77 |
| Bioconcentration factor (BCF) : 0.2 |

Accumulation / Evaluation:

No further relevant information available.

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12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

| |
|--|
| trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8 |
| Results of PBT and vPvB assessment: — |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9 EC No.: 258-207-9 |
| Results of PBT and vPvB assessment: — |
| methanol CAS No.: 67-56-1 EC No.: 200-659-6 |
| Results of PBT and vPvB assessment: — |

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

12.7. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.

Appropriate disposal / Package:

Uncleaned packaging: Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

SECTION 14: Transport information

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|--|--|--|--|
| 14.1. UN number or ID number | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| 14.2. UN proper shipping name | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| 14.3. Transport hazard class(es) | | | |
| not relevant | not relevant | not relevant | not relevant |
| 14.4. Packing group | | | |
| not relevant | not relevant | not relevant | not relevant |
| 14.5. Environmental hazards | | | |
| not relevant | not relevant | not relevant | not relevant |
| 14.6. Special precautions for user | | | |
| not relevant | not relevant | not relevant | not relevant |

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Restrictions on the product/substances according to Annex XVII Regulation (EC) 1907/2006 Product: item 40

Regulation (EU) 2019/1148 - on the marketing and use of precursors for explosives: not applicable

Substances according to Candidate List (Art. 59 REACH): Based on the available information, the product does not contain SVHC substances in content percentages $\geq 0.1\%$.

Substances subject to authorisation (Annex XIV REACH): None

Substances subject to export notification Regulation (EU) 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Precautionary statements: Information not available.

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

| | |
|------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DNEL | derived no-effect level |
| EC ₅₀ | Effective Concentration 50% |
| EN | European Standard |
| ES | Exposure scenario |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Standards Organisation |
| LC ₅₀ | Lethal (fatal) Concentration 50% |
| LD ₅₀ | Lethal (fatal) Dose 50% |
| MAK | Maximum concentration in the workplace air (CH) |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety & Health |
| NOEC | No Observed Effect Concentration |
| OEL | Threshold Limit Value |
| OSHA | Occupational Safety & Health Administration |
| PBT | persistent and bioaccumulative and toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| TRGS | Technische Regeln für Gefahrstoffe |
| TWA | Time Weighted Average |
| UN | United Nations |
| ZNS | central nervous system |

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16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

| Hazard statements | |
|-------------------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H361f | Suspected of damaging fertility. |
| H370 | Causes damage to organs. |
| H371 | May cause damage to organs. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

16.6. Training advice

No data available

16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.