

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 100001146 Issue date: 12/03/2019 Revision date: 10/06/2024 Supersedes version of: 30/03/2022 Version: 2.0

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

1.1. Product identifier

Product form Trade name : Mixture : Soudal LVT 30FW

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

1.2.1. Relevant identified uses

Main use category Use of the substance/mixture Professional use,Consumer useadhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Soudal N.V. Everdongenlaan 18-20 2300 Turnhout Belgium T +32 14 42 42 31, F +32 14 42 65 14 sds@soudal.com, www.Soudal.com

1.4. Emergency telephone number

| Country | 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]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

EUH-statements

: EUH208 - Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2Hisothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. EUH210 - Safety data sheet available on request.

2.3. Other hazards

The product does not meet the PBT and vPvB classification criteria

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Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|--|---|
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3- one and 2-methyl-2H-isothiazol-3-one (3:1) (55965- 84-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|----------|---|
| benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts | CAS-No.: 119345-04-9 | < 1 | Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Chronic 2, H411 |
| 1,2-benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540- 60 | < 0.05 | Acute Tox. 4 (Oral), H302 (ATE=490 mg/kg bodyweight) Acute Tox. 2 (Inhalation:gas), H330 (ATE=100 ppmv/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=1) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3- one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691- 48 | < 0.0015 | Acute Tox. 2 (Inhalation), H330 (ATE=0,05 mg/l/4h) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=66 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 |

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| Specific concentration limits: | | |
|---|---|--|
| Name | Product identifier | Specific concentration limits (%) |
| 1,2-benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540- 60 | (0,05 ≤ C < 100) Skin Sens. 1, H317 |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3- one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691- 48 | $(0,0015 \le C \le 100)$ Skin Sens. 1A, H317 $(0,06 \le C < 0,6)$ Skin Irrit. 2, H315 $(0,06 \le C < 0,6)$ Eye Irrit. 2, H319 $(0,6 \le C \le 100)$ Eye Dam. 1, H318 $(0,6 \le C \le 100)$ Skin Corr. 1C, H314 |

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 | : If you feel unwell, seek medical advice. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service. |
| First-aid measures after skin contact | : Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists. |
| First-aid measures after ingestion | : Rinse mouth with water. Consult a doctor/medical service if you feel unwell. |
| 4.2. Most important symptoms and effec | ts, both acute and delayed |

No additional 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 Unsuitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. : None known. | | |
| 5.2. Special hazards arising from the subs | tance or mixture | | |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. | | |
| 5.3. Advice for firefighters | | | |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. | | |

| SECTION 6: Accidental release n | neasures |
|---------------------------------------|---|
| 6.1. Personal precautions, protective | e equipment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| Emergency procedures | : Ventilate spillage area. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

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| 6.2. Environmental precautions | |
|--|--|
| Avoid release to the environment. | |
| 6.3. Methods and material for containment | and cleaning up |
| For containment Methods for cleaning up | Collect spillage. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. |
| Other information | : Dispose of materials or solid residues at an authorized site. |
| 6.4. Reference to other sections | |

For further information refer to section 13.

| SECTION 7: Handling and storage | e |
|---|---|
| 7.1. Precautions for safe handling | |
| Precautions for safe handling Hygiene measures | Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, inclu- | uding any incompatibilities |
| Storage conditions Maximum storage period Packaging materials | Store in a well-ventilated place. Store at room temperature. Protect against frost. Keep container tightly closed. 24 months Synthetic material. |
| 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

No additional information available

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

No additional information available

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.

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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

| Dhusiaal state | . I familia |
|---|----------------------------------|
| Physical state | Liquid |
| Colour | : Variable. |
| Appearance | : Viscous liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not applicable |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| рН | : 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 | : 1,375 g/cm ³ (20°C) |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

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9.2. Other information

- 9.2.1. Information with regard to physical hazard classes
- No additional information available

9.2.2. Other safety characteristics

VOC content

: 0 %

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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

| SECTION 11: Toxicological information | | |
|--|---|--|
| 11.1. Information on hazard classes as defined | d in Regulation (EC) No 1272/2008 | |
| Acute toxicity (dermal) | Not classified Not classified Not classified | |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | | |
| LD50 oral rat | 490 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) | |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) | |
| reaction mass of 5-chloro-2-methyl-2H-isothia | zol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) | |
| LD50 oral rat | 66 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) | |
| LD50 oral | 59 mg/kg bodyweight | |
| LD50 dermal rat | > 141 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) | |
| LD50 dermal | > 75 mg/kg bodyweight | |
| LC50 Inhalation - Rat | 0,17 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Calculated by reference to active substance, Inhalation (dust), 14 day(s)) | |

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| Toxicity), Guideline: other: LD50 dermal rat > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other: kin corrosion/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) BH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) DH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) DH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) DH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) DH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) DH No data savailable in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3 Not classified right Not classified root classified Not classified toring exposure Not classified TOT-repeated | benzene, 1,1'-oxybis-, tetrapropylene | e derivs., sulfonated, sodium salts (119345-04-9) |
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| Toxicity), Guideline: other: kin corrosion/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) PH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) oH No data available in the literature ierious eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) | LD50 oral rat | |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) opH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) opH No data available in the literature rerous eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) No data available in the literature opH No data available in the literature neaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) opH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Oph opH No data available in the literature respiratory or skin sensitisation : Not classified icariongenicity : Not classified icariongenicity : Not classified icTOT-repeated exposure : Not classified icTOT-repeated exposure : Not classified icTOT-repeated exposure : Not classified icoscity, kinematic Not applicable (solid) nose classified : Not classified icoscity, kinematic : Not classified icoscity, kinematic : Not classified | LD50 dermal rat | |
| pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature terious eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) No data available in the literature oH No data available in the literature No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) No data available in the literature oH No data available in the literature No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Not classified torTo-rigel exposure Not classified Not classified torTo-repeated exposure Not classified Soe Toxicity Study with the Reproduction / Developmental Toxicity Screening Test, Guideline: other: spirati | Skin corrosion/irritation | : Not classified |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature ierious eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) No data available in the literature pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothi-zol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothi-zol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H -isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H -isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H -isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1) (55965-84-9) phot Not classified troTor-repeated exposure : Not classified troTor-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guid | 1,2-benzisothiazol-3(2H)-one (2634-3 | 3-5) |
| oH No data available in the literature ierious eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) No data available in the literature oH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) oH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) oH No data available in the literature tespiratory or skin sensitisation : Not classified ierricogenicity : Not classified ierricogenicity : Not classified teproductive toxicity : Not classified toTOT-single exposure : Not classified toToT-single exposure : Not classified toToT-single exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: spiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic | рН | No data available in the literature |
| ierious eye damage/irritation : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) pH No data available in the literature tespiratory or skin sensitisation : Not classified tespiratory or skin sensitisation : Not classified tespiratory or skin sensitisation : Not classified teproductive toxicity : Not classified teproductive toxicity : Not classified toTOT-single exposure : Not classified teproductive toxicity : Not classified toTOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: spiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Viscosity, kinematic Not applicable (solid) <tr< td=""><td>reaction mass of 5-chloro-2-methyl-2</td><td>2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</td></tr<> | reaction mass of 5-chloro-2-methyl-2 | 2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
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| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) PH No data available in the literature tespiratory or skin sensitisation : Not classified ierm cell mutagenicity : Not classified ierm cell mutagenicity : Not classified iarcinogenicity : Not classified teproductive toxicity : Not classified iTOT-single exposure : Not classified toToT-repeated exposure : Not classified toToT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sipiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | 1,2-benzisothiazol-3(2H)-one (2634-3 | 3-5) |
| pH No data available in the literature despiratory or skin sensitisation : Not classified Seem cell mutagenicity : Not classified scarcinogenicity : Not classified scarcinogenicity : Not classified teproductive toxicity : Not classified tTOT-single exposure : Not classified tTOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sispiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | рН | No data available in the literature |
| tespiratory or skin sensitisation : Not classified serm cell mutagenicity : Not classified sarcinogenicity : Not classified sarcinogenicity : Not classified sarcinogenicity : Not classified teproductive toxicity : Not classified toTOT-single exposure : Not classified toTOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) Not classified NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sspiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Viscosity, kinematic Not applicable (solid) | reaction mass of 5-chloro-2-methyl-2 | 2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
| Serm cell mutagenicity : Not classified Carcinogenicity : Not classified Serror cell mutagenicity : Serror cell mutagenicity NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: spiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (sol | рН | No data available in the literature |
| carcinogenicity : Not classified Reproductive toxicity : Not classified tTOT-single exposure : Not classified tTOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: spiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | Respiratory or skin sensitisation | : Not classified |
| Reproductive oxicity : Not classified iTOT-single exposure : Not classified iTOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sepiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | Germ cell mutagenicity | : Not classified |
| ATOT-single exposure : Not classified ATOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sspiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | Carcinogenicity | : Not classified |
| ATOT-repeated exposure : Not classified benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: sspiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | Reproductive toxicity | |
| benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: aspiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | e . | |
| NOAEL (oral, rat, 90 days) 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeate Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: aspiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) viscosity, kinematic Not applicable (solid) | STOT-repeated exposure | : Not classified |
| Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: spiration hazard : Not classified 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | benzene, 1,1'-oxybis-, tetrapropylene | e derivs., sulfonated, sodium salts (119345-04-9) |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | NOAEL (oral, rat, 90 days) | |
| Viscosity, kinematic Not applicable (solid) reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | Aspiration hazard | : Not classified |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) Viscosity, kinematic Not applicable (solid) | 1,2-benzisothiazol-3(2H)-one (2634-3 | 3-5) |
| Viscosity, kinematic Not applicable (solid) | Viscosity, kinematic | Not applicable (solid) |
| | reaction mass of 5-chloro-2-methyl-2 | 2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
| 1.2. Information on other hazards | Viscosity, kinematic | Not applicable (solid) |
| | 11.2. Information on other hazards | |

No additional information available

SECTION 12: Ecological information

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

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| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | |
|---|--|
| LC50 - Fish [1] | 2,18 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 2,94 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Experimental value, Lethal) |
| ErC50 algae | 150 μg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Experimental value, GLP) |
| reaction mass of 5-chloro-2-methyl-2H-isothi | azol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
| LC50 - Fish [1] | 0,19 mg/l |
| EC50 - Crustacea [1] | 0,007 mg/l (48 h, Acartia tonsa, Salt water, Experimental value, GLP) |
| EC50 - Other aquatic organisms [1] | 0,126 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 0,003 mg/l |
| ErC50 algae | 19,9 μ g/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Skeletonema costatum, Static system, Salt water, Experimental value, GLP) |
| 12.2. Persistence and degradability | |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | |
| Persistence and degradability | Not biodegradable. |
| reaction mass of 5-chloro-2-methyl-2H-isothi | azol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
| Persistence and degradability | Not biodegradable. |
| 12.3. Bioaccumulative potential | |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | |
| BCF - Fish [1] | 6,62 (Equivalent or similar to OECD 305, 56 day(s), Lepomis macrochirus, Experimental value, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | -0,9 – 0,99 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
| reaction mass of 5-chloro-2-methyl-2H-isothi | azol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |
| BCF - Fish [1] | 41 – 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | -0,32 – 0,7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
| 12.4. Mobility in soil | |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | |
| Surface tension | 72,6 mN/m (20 °C, 0.1 %, EU Method A.5: Surface tension) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0,97 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| | |

Ecology - soil

Highly mobile in soil.

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| 0,81 – 1 (log Koc, Calculated value) |
|---|
| Highly mobile in soil. |
| |
| |
| ication criteria |
| |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| |

12.7. Other adverse effects

No additional information available

| SECTION 13: Disposal considerations | |
|--|---|
| 13.1. Waste treatment methods | |
| Regional waste regulation Waste treatment methods Sewage disposal recommendations Ecological information European List of Waste (LoW, EC 2000/532) | Non hazardous waste. Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not discharge into drains or the environment. Avoid release to the environment. 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09 15 01 02 - plastic packaging |

SECTION 14: Transport information

| ADR IMDG IATA ADN RID | | | | |
|-----------------------------|---------------|---------------|---------------|---------------|
| 71211 | | | 7.2.1 | |
| 14.1. UN number or ID n | lumber | | | |
| Not regulated for transport | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shippin | g name | · · | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard o | class(es) | · | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | · | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR | IMDG | ΙΑΤΑ | ADN | RID |
|--|---|------|---------------|-----|
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated Not regulated Not regulated Not regulated | | Not regulated | |
| No supplementary information available | | | | |
| 14.6. Special precautions for user | | | | |

Overland transport Not regulated

Transport by sea Not regulated

Air transport

Not regulated

Inland waterway transport Not regulated

Rail transport

Not regulated

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)

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | reaction mass of 5-chloro- 2-methyl-2H-isothiazol-3- one and 2-methyl-2H- isothiazol-3-one (3:1) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | reaction mass of 5-chloro- 2-methyl-2H-isothiazol-3- one and 2-methyl-2H- isothiazol-3-one (3:1) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

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)

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VOC Directive (2004/42)

VOC content

: 0 %

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 | | | |
|-----------------------|--|----------|----------|
| Section | Changed item | Change | Comments |
| | according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 | | |
| 3.2 | | Modified | |

| Abbreviations and acronyms: | | |
|-----------------------------|---|--|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | |
| ATE | Acute Toxicity Estimate | |
| BLV | Biological limit value | |
| CAS-No. | Chemical Abstract Service number | |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 | |
| DMEL | Derived Minimal Effect level | |
| DNEL | Derived-No Effect Level | |
| EC50 | Median effective concentration | |
| EC-No. | European Community number | |
| EN | European Standard | |
| ΙΑΤΑ | International Air Transport Association | |
| IMDG | International Maritime Dangerous Goods | |
| LC50 | Median lethal concentration | |
| LD50 | Median lethal dose | |
| LOAEL | Lowest Observed Adverse Effect Level | |
| NOAEC | No-Observed Adverse Effect Concentration | |
| NOAEL | No-Observed Adverse Effect Level | |
| NOEC | No-Observed Effect Concentration | |
| OEL | Occupational Exposure Limit | |

Safety Data Sheet

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

| Abbreviations and acronyms: | | |
|-----------------------------|---|--|
| РВТ | Persistent Bioaccumulative Toxic | |
| PNEC | Predicted No-Effect Concentration | |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 | |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail | |
| SDS | Safety Data Sheet | |
| vPvB | Very Persistent and Very Bioaccumulative | |
| WGK | Water Hazard Class | |

| Full text of H- and EUH-statements: | | |
|-------------------------------------|---|--|
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal), Category 2 | |
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 | |
| Acute Tox. 2 (Inhalation:gas) | Acute toxicity (inhalation:gas) Category 2 | |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 | |
| 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 | |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 | |
| EUH071 | Corrosive to the respiratory tract. | |
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. | |
| EUH210 | Safety data sheet available on request. | |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 | |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 | |
| H301 | Toxic if swallowed. | |
| H302 | Harmful if swallowed. | |
| H310 | Fatal in contact with skin. | |
| H314 | Causes severe skin burns and eye damage. | |
| H315 | Causes skin irritation. | |
| H317 | May cause an allergic skin reaction. | |
| H318 | Causes serious eye damage. | |
| H319 | Causes serious eye irritation. | |
| H330 | Fatal if inhaled. | |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. | |
| H400 | Very toxic to aquatic life. | |
| H410 | Very toxic to aquatic life with long lasting effects. | |
| H411 | Toxic to aquatic life with long lasting effects. | |
| Repr. 2 | Reproductive toxicity, Category 2 | |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C | |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|---------------------------------------|
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |

Safety Data Sheet (SDS), EU-2023-1

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.