

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

1.1. Product identifier

Product form : Mixture
Trade name : Wickes Ultimate Window & Door Sealant

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

Relevant identified uses

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

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

Distributor

Soudal (UK) Ltd
Soudal House, Unit 1, Centurion Way
B77 5PN Centurion Park Tamworth
United Kingdom
T +44 1827 261 092
salesuk@soudal.com, www.soudal.co.uk

1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|----------------|---------------------------|---------|------------------|------------------|
| United Kingdom | NHS 111/NHS 24/NHS Direct | | 111 0845 4647 | or call a doctor |

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 : EUH210 - Safety data sheet available on request.

2.3. Other hazards

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

| Component | |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9), trimethoxyvinylsilane (2768-02-7), dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9), N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9), trimethoxyvinylsilane (2768-02-7), dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9), N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) |

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or 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] |
|---|---|-------------|---|
| reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide) | EC-No.: 432-430-3 EC Index-No.: 616-200-00-1 REACH-no: 01-0000017860-69 | ≥ 1 – < 5 | Aquatic Chronic 4, H413 |
| trimethoxyvinylsilane | CAS-No.: 2768-02-7 EC-No.: 220-449-8 EC Index-No.: 014-049-00-0 REACH-no: 01-2119513215-52 | ≥ 0.1 – < 1 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 (ATE=16.8 mg/l/4h) Skin Sens. 1, H317 |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | CAS-No.: 1760-24-3 EC-No.: 217-164-6 REACH-no: 01-2119970215-39 | ≥ 0.1 – < 1 | Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335 |
| dioctylbis(pentane-2,4-dionato-O,O')tin substance with national workplace exposure limit(s) (GB) | CAS-No.: 54068-28-9 EC-No.: 483-270-6 REACH-no: 01-0000020199-67 | ≥ 0.1 – < 1 | Skin Sens. 1, H317 STOT SE 2, H371 |
| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate | CAS-No.: 52829-07-9 EC-No.: 258-207-9 REACH-no: 01-2119537297-32 | ≥ 0.1 – < 1 | Eye Dam. 1, H318 Repr. 2, H361f Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 |

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 after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. |
| 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

| | |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : Repeated exposure may cause skin dryness or cracking. |
|-------------------------------------|---|

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance 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 measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
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

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
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 at room temperature. Store in a well-ventilated place. Keep container closed when not in use.
Maximum storage period : ≈ 1 year
Packaging materials : Synthetic material.

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

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dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

United Kingdom - Occupational Exposure Limits

| | |
|---------------------|-----------------------|
| WEL TWA (OEL TWA) | 0.1 mg/m ³ |
| WEL STEL (OEL STEL) | 0.2 mg/m ³ |

DNEL and PNEC

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9)

DNEL/DMEL (Workers)

| | |
|--|------------------------|
| Long-term - systemic effects, dermal | 1.8 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 1.27 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|------------------------|
| Long-term - systemic effects, oral | 0.18 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 0.31 mg/m ³ |
| Long-term - systemic effects, dermal | 0.9 mg/kg bw/day |

PNEC (Water)

| | |
|--------------------------|------------|
| PNEC aqua (freshwater) | 0.004 mg/l |
| PNEC aqua (marine water) | 0.38 µg/l |

PNEC (Sediment)

| | |
|------------------------------|----------------|
| PNEC sediment (freshwater) | 5.9 mg/kg dwt |
| PNEC sediment (marine water) | 0.59 mg/kg dwt |

PNEC (Soil)

| | |
|-----------|----------------|
| PNEC soil | 1.18 mg/kg dwt |
|-----------|----------------|

PNEC (STP)

| | |
|-----------------------------|--------|
| PNEC sewage treatment plant | 1 mg/l |
|-----------------------------|--------|

reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

DNEL/DMEL (Workers)

| | |
|--|-------------------------|
| Long-term - systemic effects, dermal | 10 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 35.24 mg/m ³ |

DNEL/DMEL (General population)

| | |
|------------------------------------|------------------------|
| Long-term - systemic effects, oral | 5 mg/kg bodyweight/day |
|------------------------------------|------------------------|

PNEC (Water)

| | |
|--------------------------------------|------------|
| PNEC aqua (freshwater) | 0.009 mg/l |
| PNEC aqua (marine water) | 0.001 mg/l |
| PNEC aqua (intermittent, freshwater) | 3.7 mg/l |

PNEC (Sediment)

| | |
|------------------------------|----------------|
| PNEC sediment (freshwater) | 384 mg/kg dwt |
| PNEC sediment (marine water) | 38.4 mg/kg dwt |

PNEC (Soil)

| | |
|-----------|----------------|
| PNEC soil | 52.1 mg/kg dwt |
|-----------|----------------|

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reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)

PNEC (Oral)

| | |
|---------------------------------|------------------|
| PNEC oral (secondary poisoning) | 222.2 mg/kg food |
|---------------------------------|------------------|

PNEC (STP)

| | |
|-----------------------------|----------|
| PNEC sewage treatment plant | 100 mg/l |
|-----------------------------|----------|

trimethoxyvinylsilane (2768-02-7)

DNEL/DMEL (Workers)

| | |
|--------------------------------------|------------------------|
| Acute - systemic effects, inhalation | 73.6 mg/m ³ |
|--------------------------------------|------------------------|

| | |
|--------------------------------------|-------------------|
| Long-term - systemic effects, dermal | 0.91 mg/kg bw/day |
|--------------------------------------|-------------------|

| | |
|--|------------------------|
| Long-term - systemic effects, inhalation | 27.6 mg/m ³ |
|--|------------------------|

DNEL/DMEL (General population)

| | |
|----------------------------------|---------------------------|
| Acute - systemic effects, dermal | 26.9 mg/kg bodyweight/day |
|----------------------------------|---------------------------|

| | |
|--------------------------------------|------------------------|
| Acute - systemic effects, inhalation | 93.4 mg/m ³ |
|--------------------------------------|------------------------|

| | |
|------------------------------------|-------------------|
| Long-term - systemic effects, oral | 0.63 mg/kg bw/day |
|------------------------------------|-------------------|

| | |
|--|-----------------------|
| Long-term - systemic effects, inhalation | 6.8 mg/m ³ |
|--|-----------------------|

| | |
|--------------------------------------|-------------------|
| Long-term - systemic effects, dermal | 0.63 mg/kg bw/day |
|--------------------------------------|-------------------|

PNEC (Water)

| | |
|--------------------------------------|----------|
| PNEC aqua (intermittent, freshwater) | 3.4 mg/l |
|--------------------------------------|----------|

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

DNEL/DMEL (Workers)

| | |
|--------------------------------------|----------------------|
| Acute - systemic effects, inhalation | 84 mg/m ³ |
|--------------------------------------|----------------------|

| | |
|-----------------------------------|-------------------------|
| Acute - local effects, inhalation | 0.091 mg/m ³ |
|-----------------------------------|-------------------------|

| | |
|--------------------------------------|-------------------|
| Long-term - systemic effects, dermal | 0.07 mg/kg bw/day |
|--------------------------------------|-------------------|

| | |
|--|----------------------|
| Long-term - systemic effects, inhalation | 84 mg/m ³ |
|--|----------------------|

| | |
|---------------------------------------|-------------------------|
| Long-term - local effects, inhalation | 0.091 mg/m ³ |
|---------------------------------------|-------------------------|

PNEC (Water)

| | |
|------------------------|------------|
| PNEC aqua (freshwater) | 0.026 mg/l |
|------------------------|------------|

| | |
|--------------------------|-------------|
| PNEC aqua (marine water) | 0.0026 mg/l |
|--------------------------|-------------|

| | |
|--------------------------------------|-----------|
| PNEC aqua (intermittent, freshwater) | 0.26 mg/l |
|--------------------------------------|-----------|

PNEC (Sediment)

| | |
|----------------------------|-----------------|
| PNEC sediment (freshwater) | 0.155 mg/kg dwt |
|----------------------------|-----------------|

| | |
|------------------------------|------------------|
| PNEC sediment (marine water) | 0.0155 mg/kg dwt |
|------------------------------|------------------|

PNEC (Soil)

| | |
|-----------|------------------|
| PNEC soil | 0.0158 mg/kg dwt |
|-----------|------------------|

PNEC (STP)

| | |
|-----------------------------|--------|
| PNEC sewage treatment plant | 1 mg/l |
|-----------------------------|--------|

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------------------|
| Physical state | : Solid |
| Colour | : Various colours. |
| Appearance | : Pasty. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not applicable |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Lower explosion limit | : Not applicable |
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |
| Viscosity, kinematic | : Not applicable |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.045 g/cm ³ (20°C) |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Particle size | : Not available |

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9.2. Other information

Other safety characteristics

VOC content : < 1 %

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 in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
|--|--|
| LD50 oral rat | 3700 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 3170 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 0.5 mg/l air (Equivalent or similar to OECD 403, 4 weeks (daily, 5 days / week), Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) |

reaction mass of N, N'-ethane-1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxohexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

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

trimethoxyvinylsilane (2768-02-7)

| | |
|-----------------------|--|
| LD50 oral rat | 6899 – 7012 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | 3158 – 3760 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 16.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |

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| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
|---|---|
| LD50 oral rat | 2500 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral) |
| LD50 dermal rat | > 2000 mg/g (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal) |
| LC50 Inhalation - Rat | 5.1 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours)) |

| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
|---|--|
| LD50 oral rat | 2295 mg/kg bodyweight (EPA OPPTS 870.1100: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (EPA OPPTS 870.1200: Acute Dermal Toxicity, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 1.49 – 2.44 mg/l air (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s)) |

Skin corrosion/irritation : Not classified

| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
|--|-----------|
| pH | 9.7 (1 %) |

| trimethoxyvinylsilane (2768-02-7) | |
|--|-------------------------------------|
| pH | No data available in the literature |

| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
|---|------------|
| pH | 10.2 (1 %) |

Serious eye damage/irritation : Not classified

| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
|--|-----------|
| pH | 9.7 (1 %) |

| trimethoxyvinylsilane (2768-02-7) | |
|--|-------------------------------------|
| pH | No data available in the literature |

| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
|---|------------|
| pH | 10.2 (1 %) |

Respiratory or skin sensitisation : Not classified

| Wickes Ultimate Window & Door Sealant | |
|--|----------------------------|
| Skin Sensitisation (test on mixture), Skin, In vitro | Not sensitising (OECD 497) |

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
|---|---|
| NOAEL (animal/male, F0/P) | 0.3 – 0.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (animal/female, F0/P) | 0.3 – 0.5 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

STOT-single exposure : Not classified

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| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
|---|---|
| STOT-single exposure | May cause damage to organs (immune system) (if swallowed). |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| reaction mass of N, N'-ethane-1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxohexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide) | |
| NOAEL (subacute, oral, animal/male, 28 days) | 1000 mg/kg bodyweight (Literature Study) |
| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
| LOAEC (inhalation, rat, gas, 90 days) | 650 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |

Aspiration hazard : Not classified

| Wickes Ultimate Window & Door Sealant | |
|--|---|
| Viscosity, kinematic | Not applicable |
| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
| Viscosity, kinematic | Not applicable (solid) |
| trimethoxyvinylsilane (2768-02-7) | |
| Viscosity, kinematic | 0.7 mm ² /s (20 °C) |
| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
| Viscosity, kinematic | 25.1 mm ² /s (40 °C, OECD 114: Viscosity of Liquids) |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
| Viscosity, kinematic | 3.1 mm ² /s (20 °C, Calculated) |

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

| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
|--|---|
| LC50 - Fish [1] | 4.4 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value) |
| ErC50 algae | 0.705 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic crustacea | 0.23 mg/l (OECD211, 21d, Daphnia Magna, experimental result) |

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| reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide) | |
|---|---|
| LC50 - Fish [1] | > 1000 mg/l (Guideline OECD203, 96h, Oncorhynchus mykiss, Static system, Fresh water, Read-across) |
| EC50 - Crustacea [1] | > 1000 mg/l (Guideline OECD 202, 48h, Daphnia Magna, Static system, Experimental value) |
| EC50 72h - Algae [1] | 85 mg/l (Guideline EPIWIN 3.10, 96h, Algae, Calculated value) |
| trimethoxyvinylsilane (2768-02-7) | |
| LC50 - Fish [1] | 191 mg/l (96 h, Oncorhynchus mykiss, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 169 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae | > 89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic algae | 89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9) | |
| LC50 - Fish [1] | 71.1 mg/l (96 h, Salmo gairdneri, Flow-through system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 47.6 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Other aquatic organisms [1] | 75 mg/l Test organisms (species): other: |
| ErC50 algae | 32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP) |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) | |
| LC50 - Fish [1] | 597 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) |
| EC50 - Crustacea [1] | 81 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 72h - Algae [1] | 126 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae | 8.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic algae | 3.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP) |
| 12.2. Persistence and degradability | |
| Wickes Ultimate Window & Door Sealant | |
| Persistence and degradability | Not rapidly degradable |
| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9) | |
| Persistence and degradability | not readily degradable in water. |
| reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide) | |
| Persistence and degradability | Not rapidly degradable |

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reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)

| | |
|----------------|---|
| Biodegradation | 20 % (OECD 301B: CO2 Evolution Test, 28d, Experimental value) |
|----------------|---|

trimethoxyvinylsilane (2768-02-7)

| | |
|-------------------------------|----------------------------------|
| Persistence and degradability | not readily degradable in water. |
|-------------------------------|----------------------------------|

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

| | |
|-------------------------------|----------------------------------|
| Persistence and degradability | not readily degradable in water. |
|-------------------------------|----------------------------------|

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| | |
|-------------------------------|----------------------------------|
| Persistence and degradability | not readily degradable in water. |
|-------------------------------|----------------------------------|

12.3. Bioaccumulative potential

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.35 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
|---|---|

| | |
|---------------------------|--|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
|---------------------------|--|

reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 6 (EU Method A.8, Experimental value) |
|---|---|

| | |
|---------------------------|---|
| Bioaccumulative potential | High potential for bioaccumulation (Log Kow > 5). |
|---------------------------|---|

trimethoxyvinylsilane (2768-02-7)

| | |
|---|---------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.1 (QSAR, KOWWIN, 20 °C) |
|---|---------------------------|

| | |
|---------------------------|--|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
|---------------------------|--|

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

| | |
|---|-------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.6 (Calculated, 25 °C) |
|---|-------------------------|

| | |
|---------------------------|--|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
|---------------------------|--|

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| | |
|---|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.3 (QSAR, 20 °C) |
|---|--------------------|

| | |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

12.4. Mobility in soil

reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)

| | |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.28 – 5.63 (OECD 121, Experimental value) |
|--|--|

| | |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

trimethoxyvinylsilane (2768-02-7)

| | |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.8 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
|--|--|

| | |
|----------------|---------------------------------------|
| Ecology - soil | Low potential for adsorption in soil. |
|----------------|---------------------------------------|

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dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Surface tension 32.3 mN/m (20 °C, 30 mg/l, OECD 115: Surface Tension of Aqueous Solutions)

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) 3.5 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

Ecology - soil Low potential for mobility in soil.

12.5. Results of PBT and vPvB assessment

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9), trimethoxyvinylsilane (2768-02-7), dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9), N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (52829-07-9), trimethoxyvinylsilane (2768-02-7), dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9), N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard 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 |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR | IMDG | IATA | ADN | RID |
|--|------|------|-----|-----|
| 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

EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|--|---|
| Reference code | Applicable on | Entry title or description |
| 3(a) | trimethoxyvinylsilane | 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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |
| 3(b) | trimethoxyvinylsilane ; dioctylbis(pentane-2,4-dionato-O,O')tin ; N-(3-(trimethoxysilyl)propyl)ethylenediamine | 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 |

REACH Annex XIV (Authorisation List)

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

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 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

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VOC Directive (2004/42)

VOC content : < 1 %

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)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

| Section | Changed item | Comments |
|---------|--------------|-----------------|
| 2.2 | | 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 |
| 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 |

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| Abbreviations and acronyms: | |
|-----------------------------|--|
| 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 |

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 2 | Specific target organ toxicity – Single exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H226 | Flammable liquid and vapour. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H361f | Suspected of damaging fertility. |
| H371 | May cause damage to organs. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH210 | Safety data sheet available on request. |

Safety Data Sheet (SDS), EU-2025-1

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.