

EVO-STIK WEATHERLOCK FRAME SEALANT BROWN
Supersedes Date: 02-Nov-2018

Revision date 23-Oct-2020
Revision Number 2.01

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

1.1. Product Identifier

Product Name EVO-STIK WEATHERLOCK FRAME SEALANT BROWN
Pure substance/mixture Mixture

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

Recommended use Sealant.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom +44 (1785) 272650
Ireland +353 (1) 8624900 (Monday- Friday 9am-5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

2.2. Label Elements

Not classified

Signal word

None

Hazard statements

Not classified

EU Specific Hazard Statements

EUH208 - Contains 3-(Triethoxysilyl) propylamine & 2-Butanone, oxime. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P280 - Wear protective gloves.

2.3. Other Hazards

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Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing
Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing
Small amounts of 2-butanone, oxime (CAS 96-29-7) are formed by hydrolysis and released upon curing

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|--------------------------------|-----------|------------|----------|---|------------------------------------|---------------------------|
| 2-Butanone, oxime | 202-496-6 | 96-29-7 | 0.1 - <1 | Acute Tox. 4 (H312) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Carc. 2 (H351) | | 01-2119539477-28-XXXX |
| 3-(Triethoxysilyl) propylamine | 213-048-4 | 919-30-2 | 0.1 - <1 | Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 4 (H302) | | 01-2119480479-24-XXXX |
| Titanium dioxide | 236-675-5 | 13463-67-7 | 0.1 - <1 | Carc. 2 (H351i) | | 01-2119489379-17-XXXX |

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------|--|
| General advice | If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. IF exposed or concerned: Get medical advice/attention. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor. |

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Ingestion Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

Symptoms No information available.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Thermal decomposition can lead to release of toxic and corrosive gases/vapours.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

Other information Ventilate the area. Prevent further leakage or spillage if safe to do so.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Advice on safe handling Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Specific Use(s)
 Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Ireland | United Kingdom |
|---------------------------|---|---|---|
| Ethanol 64-17-5 | - | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1920 mg/m ³ STEL: 3000 ppm STEL: 5760 mg/m ³ |
| Methyl alcohol 67-56-1 | TWA: 200 ppm TWA: 260 mg/m ³ * | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Sk* | TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk* |

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL) | | | |
|---|----------------|--------------------------------|---------------|
| 3-(Triethoxysilyl) propylamine (919-30-2) | | | |
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker Long term Systemic health effects | Inhalation | 59 mg/m ³ | |
| worker Short term Systemic health effects | Inhalation | 59 mg/m ³ | |
| worker Long term Systemic health effects | Dermal | 8.3 mg/kg bw/d | |
| worker Short term Systemic health effects | Dermal | 8.3 mg/kg bw/d | |

| Titanium dioxide (13463-67-7) | | | |
|-------------------------------|----------------|--------------------------------|---------------|
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| | | | |

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| | | | |
|---|------------|----------------------|--|
| worker Long term Local health effects | Inhalation | 10 mg/m ³ | |
|---|------------|----------------------|--|

| Derived No Effect Level (DNEL) | | | |
|---|----------------|--------------------------------|---------------|
| 3-(Triethoxysilyl) propylamine (919-30-2) | | | |
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer Long term Systemic health effects | Inhalation | 17 mg/m ³ | |
| Consumer Short term Systemic health effects | Inhalation | 17.4 mg/m ³ | |
| Consumer Long term Systemic health effects | Dermal | 5 mg/kg bw/d | |
| Consumer Short term Systemic health effects | Dermal | 5 mg/kg bw/d | |

| Titanium dioxide (13463-67-7) | | | |
|--|----------------|--------------------------------|---------------|
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer Long term Systemic health effects | Oral | 700 mg/kg bw/d | |

Predicted No Effect Concentration (PNEC) No information available.

| Predicted No Effect Concentration (PNEC) | |
|---|--|
| 3-(Triethoxysilyl) propylamine (919-30-2) | |
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 0.33 mg/l |
| Marine water | 0.033 mg/l |

| Titanium dioxide (13463-67-7) | |
|------------------------------------|--|
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Marine water | 0.0184 mg/l |
| Freshwater sediment | 1000 mg/kg |
| Freshwater | 0.184 mg/l |
| Marine sediment | 100 mg/kg |
| Soil | 100 mg/kg |
| Microorganisms in sewage treatment | 100 mg/l |
| Freshwater - intermittent | 0.193 mg/l |

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166

Hand protection Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.

Skin and body protection None under normal use conditions.

Respiratory protection In case of inadequate ventilation wear respiratory protection. Wear a respirator

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Recommended filter type: conforming to EN 140 with Type A filter or better.
Organic gases and vapours filter conforming to EN 14387. Brown.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------|--------------------------|
| Physical state | Solid |
| Appearance | Paste Viscous |
| Colour | Brown |
| Odour | Characteristic |
| Odour threshold | No information available |

| Property | Values | Remarks • Method |
|---|---------------------|------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | > 300 °C | |
| Flash point | > 100 °C | |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | No data available | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapour pressure | No data available | |
| Relative vapour density | No data available | |
| Relative density | 1 | |
| Water solubility | Immiscible in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | No data available | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | No data available | |
| Dynamic viscosity | No data available | |
| Explosive properties | No data available | |
| Oxidising properties | No data available | |

9.2. Other information

| | |
|--------------------------|--------------------------|
| Solid content (%) | No information available |
| VOC Content (%) | 0.00 g/L |
| Density | 1.02 g/cm ³ |

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

| | |
|---|-------|
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | None. |

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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products No information available. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Based on available data, the classification criteria are not met. |
| Eye contact | Based on available data, the classification criteria are not met. |
| Skin contact | Based on available data, the classification criteria are not met. |
| Ingestion | Based on available data, the classification criteria are not met. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|---|--|-------------------------------------|
| 2-Butanone, oxime 96-29-7 | =930 mg/kg (Rattus) | 1000 - 1800 mg/kg (Oryctolagus cuniculus) | >4.83 mg/L (Rattus) 4 h |
| 3-(Triethoxysilyl) propylamine 919-30-2 | LD50 = 1490 mg/kg (Rat, female) EPA OTS 798.1175 | LD50 = 4076 mg/kg (Oryctolagus cuniculus) EPA OTS 798.1100 | LC50 >144 mg/L (6h) Rat (Vapour) |
| Titanium dioxide 13463-67-7 | >10000 mg/kg (Rattus) | LD50 > 10000 mg/Kg | >5 mg/l |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Component Information

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| Titanium dioxide (13463-67-7) | | | | | |
|--|---------|----------------|----------------|---------------|--------------|
| Method | Species | Exposure route | Effective dose | Exposure time | Results |
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | | | | | Non-irritant |

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

| Chemical name | European Union |
|--------------------------------|----------------|
| 2-Butanone, oxime 96-29-7 | Carc. 2 |
| Titanium dioxide 13463-67-7 | Carc. 2 |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea | M-Factor | M-Factor (long-term) |
|--------------------------------|--|---|---|---|----------|----------------------|
| 2-Butanone, oxime 96-29-7 | EC50: =83mg/L (72h, <i>Desmodesmus subspicatus</i>) | LC50: =760mg/L (96h, <i>Poecilia reticulata</i>) LC50: 777 - 914mg/L (96h, <i>Pimephales promelas</i>) LC50: 320 - 1000mg/L (96h, <i>Leuciscus idus</i>) | EC50 = 281 mg/L 17 h EC50 = 950 mg/L 5 min | EC50: =750mg/L (48h, <i>Daphnia magna</i>) | | |
| 3-(Triethoxysilyl) propylamine | EC50 (72h) >1000 mg/L | LC50 (96h) >934 mg/L | - | EC50 (48h) =331 mg/L | | |

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| | | | | | | |
|--------------------------------|---|---|---|--------------------------------|--|--|
| 919-30-2 | Green algae (desmodesmus subspicatus) (OECD TG 201) | (Brachydanio rerio) (OECD TG 203) | | Daphnia magna (OECD TG 202) | | |
| Titanium dioxide 13463-67-7 | LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203 | - | - | - | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) |
|--|-----------------------|-------------------------------|
| 2-Butanone, oxime 96-29-7 | 0.65 | 5.8 |
| 3-(Triethoxysilyl) propylamine 919-30-2 | 1.7 | 3.4 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment . The components in this formulation do not meet the criteria for classification as PBT or vPvB.

| Chemical name | PBT and vPvB assessment |
|--|--|
| 2-Butanone, oxime 96-29-7 | The substance is not PBT / vPvB |
| 3-(Triethoxysilyl) propylamine 919-30-2 | The substance is not PBT / vPvB |
| Titanium dioxide 13463-67-7 | The substance is not PBT / vPvB PBT assessment does not apply |

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

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Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|---------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | None |

IMDG

| | |
|---|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Marine pollutant | NP |
| 14.6 Special Provisions | None |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | None |

Section 15: REGULATORY INFORMATION

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

European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

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Persistent Organic Pollutants
Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H351 - Suspected of causing cancer

Legend

| | |
|---------|---|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value |
| * | Skin designation |
| SVHC | Substance(s) of Very High Concern |
| PBT | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |
| vPvB | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| EWC | European Waste Catalogue |

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 23-Oct-2020

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet