

Revision date 20-Oct-2021

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

EVO-STIK ALL PURPOSE FLEXIBLE SILICONE SEALANT

BROWN

Supercedes Date: 25-Sep-2020 Revision Number 2

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

1.1. Product identifier

Product Name EVO-STIK ALL PURPOSE FLEXIBLE SILICONE 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

Chronic aquatic toxicity Category 3 - (H412)

2.2. Label elements

Signal word

None

Hazard statements

H412 - Harmful to aquatic life with long lasting effects.

EU Specific Hazard Statements

EUH208 - Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT]. May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing. Harmful to aquatic life.

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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
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	934-956-3	RR-100252-4	40 - <80	Asp. Tox. 1 (H304)		01-2119827000- 58-XXXX
Triacetoxy(propyl)silane	241-816-9	17865-07-5	1- <2.5	Skin Corr. 1B (H314) (EUH071)		01-2119966899- 07-XXXX
Titanium dioxide	236-675-5	13463-67-7	0.01 - <0.05	Carc. 2 (H351i)		01-2119489379- 17-XXXX
4,5-dichloro-2-octyl-2H-i sothiazol-3-one [DCOIT]	264-843-8	64359-81-5	0.01 - <0.05	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Acute Tox. 4 (H302) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) M=100 Aquatic Chronic 1 (H410) M=100 (EUH071)	Skin Irrit. 2 :: 0.025%<=C<5% Eye Irrit. 2 :: 0.025%<=C<3% Skin Sens. 1A :: C>=0.0015%	-

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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

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Inhalation Remove to fresh air. If symptoms persist, call a doctor.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses Eve contact

and continue flushing for at least 15 minutes. Consult an ophthalmologist.

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Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

doctor.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with

water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

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

Symptoms None known.

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 Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Carbon dioxide (CO2). Silicon dioxide. Thermal decomposition can lead to release of **Hazardous combustion products**

irritating and toxic gases and vapours.

5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Do not get in eyes, on skin, or on clothing. Use personal protective equipment as

required. Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section **Environmental precautions**

12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Do not scatter spilled material with high pressure water streams. **Methods for containment**

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

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Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

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

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after

work. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from moisture. Keep away from food, drink and animal feedingstuffs.

Recommended storage

temperature

Keep at temperatures between 10 and 35 °C.

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 Small amounts of acetic acid (CAS 64-19-7) 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 ethanol (CAS 64-17-5) are formed by hydrolysis and

released upon curing

Chemical name	European Union	United Kingdom
Acetic acid	TWA: 25 mg/m ³	TWA: 10 ppm
64-19-7	TWA: 10 ppm	TWA: 25 mg/m ³
	STEL: 50 mg/m ³	STEL: 20 ppm
	STEL: 20 ppm	STEL: 50 mg/m ³

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (D	NEL)		
Titanium dioxide (13463-6	7-7)		
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	-
worker	Inhalation	10 mg/m³	
Long term		_	
Local health effects			

Derived No Effect Level (DNEL)

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

Predicted No Effect Concentration No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)				
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. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection None under normal use conditions.

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

conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation,

especially in confined areas.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387. White. 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 stateLiquidAppearancePasteColourBrown

Odour No information available Odour threshold No information available

Property Values Remarks • Method

pH No data available Not applicable Insoluble in water
 pH (as aqueous solution) No data available
 Melting point / freezing point No data available

Initial boiling point and boiling 301 °C

range
Flash point > 100 °C
Evaporation rate No data available

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Flammability Not applicable for liquids .

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressure <100 hPa

Relative vapour density

No data available

Relative density 0.94

Water solubility Immiscible in water Solubility(ies) No data available Partition coefficient No data available Autoignition temperature >200 °C

Decomposition temperatureNo data availableKinematic viscosity> 50 mm²/sDynamic viscosityNo data availableExplosive propertiesNo data availableOxidising propertiesNo data available

9.2. Other information

Solid content (%) No information available

VOC Content (%)

Density

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Product cures with moisture.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical None.

impact

products

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Protect from moisture. Exposure to air or moisture over prolonged periods. Do not

freeze. Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decompositionNone under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

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

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

Skin contact Based on available data, the classification criteria are not met. May cause sensitisation

in susceptible persons.

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
Hydrocarbons, C15-C20,	LD50 > 5000 mg/kg (Rattus)	LD50 > 3160 mg/kg	LC50 Inhalation(4h) >5266
n-alkanes, isoalkanes, cyclics,	OECD 401	(Oryctolagus cuniculus)	MG/M3 (Rattus)
< 0.03% aromatics		OECD 402	
RR-100252-4			
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
13463-67-7			
4,5-dichloro-2-octyl-2H-isothiaz	=1636 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus	=0.26 mg/L (Rattus) 4 h
ol-3-one [DCOIT]		cuniculus)	
64359-81-5			

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

Skin corrosion/irritation The assessment of the result of testing was done in accordance with the guideline of the

Commission 92/69/EEC.

Product Information					
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal		-	Product score <=1 Non-irritant
	Rabbit	Dermal			Product score <=1 Non-irritant

Serious eye damage/eye irritation By analogy to another tested similar product: No irritation after contact to the eyes.

(H319 is void). The assessment of the result of testing was done in accordance with the

guideline of the Commission 92/69/EEC.

Product Information					
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye		6 days	Product score <=1

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___ Non-irritant

Respiratory or skin sensitisationNo classification is proposed, based on conclusive negative data. OECD Test No. 406: Skin Sensitisation. May cause sensitisation in susceptible persons.

Product Information			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses
Sensitisation	-		were observed

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
Titanium dioxide	Carc. 2
13463-67-7	

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

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Hydrocarbons,	EL50 (72h)	LL50 (96h) >	-	LL50 (48h)>		
C15-C20, n-alkanes,	>10,000 mg/L	1028 mg/L		3193 mg/l		
isoalkanes, cyclics, <	(Skeletonema	(Scophthalmus		(Acartia tonsa)		
0.03% aromatics	costatum)	maximus)				
RR-100252-4	ISO 10253	OECD 203				

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Triacetoxy(propyl)silan	EC50 (72h):	LC50 (96h) =	-	EC50 (48h) =		
е	approx. 24	108.89 mg/L		89.59 mg/L		
17865-07-5	mg/I(Pseudokirc					
	henriella					
	subpicata)					
Titanium dioxide	LC50 (96h)	-	-	-		
13463-67-7	>10000 mg/l					
	(Cyprinodon					
	variegatus)					
	OECD 203					
4,5-dichloro-2-octyl-2H-	EC50 (72h)	LC50 (96h)	-	EC50 (48h)	100	100
isothiazol-3-one	=0.025 mg/L	0.0078 mg/L		0.0097 mg/L		
[DCOIT]	Algae	(Oncorhynchus		Daphnia magna		
64359-81-5	(Scenedesmus	mykiss)(OECD		(OECD 202)		
	subspicatus)(OE			,		
	CD 201)	•				

12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information 4,5-dichloro-2-octyl-2H-isothiazol	nt Information ro-2-octyl-2H-isothiazol-3-one [DCOIT] (64359-81-5)			
Method	Exposure time	Value	Results	
OECD Test No. 308: Aerobic and		Half-life	1.1-1.3 days	
Anaerobic Transformation in				
Aquatic Sediment Systems				

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Triacetoxy(propyl)silane	1.23	-
17865-07-5		
4,5-dichloro-2-octyl-2H-isothiazol-3-one	4.4	13
[DCOIT]		
64359-81-5		

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product contains substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics RR-100252-4	The substance is not PBT / vPvB
Triacetoxy(propyl)silane 17865-07-5	The substance is not PBT / vPvB
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] 64359-81-5	The substance is not PBT / vPvB

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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

Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international

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regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous

substances

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 numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable

14.6 Special Provisions None

IMDG

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot 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 numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot 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

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents

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at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

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 >=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

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

EUH071 - Corrosive to the respiratory tract

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H330 - Fatal if inhaled

H351i - Suspected of causing cancer if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)
Ceiling Ceiling Limit Value

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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

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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

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