

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 WHITE Supercedes Date: 12-Feb-2021 Revision date 20-Oct-2021

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

1.1. Product identifier Product Name Pure substance/mixture

EVO-STIK ALL PURPOSE FLEXIBLE SILICONE SEALANT WHITE Mixture

1.2. Relevant identified uses of the Recommended use Uses advised against	substance or mixture and uses advised against Sealant. None known		
1.3. Details of the supplier of the sa <u>Company Name</u> Bostik Limited Common Rd ST16 3EH Stafford UK Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36	afety data sheet		
E-mail address	SDS.box-EU@bostik.com		
1.4. Emergency telephone number United Kingdom Ireland			
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 acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing. Harmful to aquatic life.

PBT & vPvB

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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	0.1 - <1	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.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor.

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Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.
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	d effects, both acute and delayed
Symptoms	None known.
4.3. Indication of any immediate m	edical attention and special treatment needed
Note to doctors	Treat symptomatically.
SECTION 5: Firefighting me	asures
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 t	he substance or mixture
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous combustion products	Carbon dioxide (CO2). Silicon dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.
5.3. Advice for firefighters	
Special protective equipment and precautions for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
SECTION 6: Accidental relea	ase measures
6.1. Personal precautions, protecti	ive 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	
Environmental precautions	Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Do not scatter spilled material with high pressure water streams.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
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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 st	orage
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, inc	cluding 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 contro	ols/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

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
Titanium dioxide	-	TWA: 10 mg/m ³
13463-67-7		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³

Derived No Effect Level (DNEL) No inf

No information available

Derived No Effect Level (DNEL)			
Titanium dioxide (13463-67-7)			
Туре		Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m³	

Derived No Effect Level (DNEL)	
Fitanium dioxide (13463-67-7)	

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Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
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 state	
Appearance	
Colour	
Odour	
Odour threshold	

Solid Paste White Acetic acid No information available

Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability Values No data available No data available No data available No data available

> 100 °C No data available No data available **Remarks** • Method Not applicable Insoluble in water

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Flammability Limit in Air		
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapour pressure	No data available	
Relative vapour density	No data available	
Relative density	0.94	
Water solubility	Product cures with moisture	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	> 21 mm²/s	@ 40°C
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 (%)	0.04 a/am3	
Density	0.94 g/cm ³	

SECTION 10: Stability and reactivit

<u>10.1.</u>	Reactivity	

Reactivity	Product cures with moisture.		
10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion data			
Sensitivity to mechanical impact	None.		
Sensitivity to static discharge	None.		
10.3. Possibility of hazardous react	tions		
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	Product cures with moisture. 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 pro	oducts		
Hazardous decomposition products	None 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

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. 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

Component Information

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

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		6 days	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	еуе		6 days	Product score <=1
					Non-irritant

Respiratory or skin sensitisation No classification is proposed, based on conclusive negative data. OECD Test No. 406:

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Skin Sensitisation. May cause sensitisation in susceptible persons.

Product Information			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	No sensitisation responses 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 exposure	Based on available data, the classification criteria are not met.		
Aspiration hazard	Based on available data, the classification criteria are not met.		
11.2. Information on other hazards			
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				
Triacetoxy(propyl)silan	EC50 (72h):	LC50 (96h) =	-	EC50 (48h) =		
e	approx. 24	108.89 mg/L		89.59 mg/L		
17865-07-5	mg/l(Pseudokirc	-				

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	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	203)				
	CD 201)					

12.2. Persistence and degradability

Persistence and degradability No i

No information available.

Component Information					
4,5-dichloro-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%	The substance is not PBT / vPvB
aromatics	
RR-100252-4	
Triacetoxy(propyl)silane	The substance is not PBT / vPvB
17865-07-5	
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]	The substance is not PBT / vPvB
64359-81-5	

12.6. Other adverse effects

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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 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 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	Not applicable	

<u>Air transport (ICAO-TI / IATA-DGR)</u>

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:

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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
*	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

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Key literature references a No information available	nd sources for data	
Prepared By	Product Safety & Regulatory Affairs	
Revision date	20-Oct-2021	
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