

Revision date 14-Nov-2019

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

EVO-STIK THE DOG'S B*LL*CKS ADHESIVE AND

SEALANT GREY

Supercedes Date: 05-Sep-2018 Revision Number 1.03

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

1.1. Product Identifier

Product Name EVO-STIK THE DOG'S B*LL*CKS ADHESIVE AND SEALANT GREY

Pure substance/mixture Mixture

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

Sealant. Recommended use Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik GmbH An der Bundesstrasse 16 33829 Borgholzhausen, Germany Tel: +49 (0) 5425 / 801 0

Fax: +49 (0) 5425 / 801 140

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

1.4. Emergency telephone number

+44 (1785) 272650 **United Kingdom**

+353 (1) 8624900 (Monday- Friday 9am-5pm) Ireland

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 Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine. May produce an allergic reaction EUH210 - Safety data sheet available on request

Precautionary statements

P102 - Keep out of reach of children

2.3. Other Hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

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PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or 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
Silane, ethenyltrimethoxy-	220-449-8	2768-02-7	1- <2.5	Acute Tox. 4 (H332) Flam. Liq. 3 (H226)		01-2119513215- 52-XXXX
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	309-629-8	100545-48-0	0.1 - <1	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	C>=25%	01-2119979085- 27-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 >=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 symptoms persist, call a doctor.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Eye contact

Remove contact lenses, if present and easy to do. Continue rinsing.

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

doctor.

Ingestion Call a doctor immediately. If swallowed, rinse mouth with water (only if the person is

conscious). Small amounts of toxic methanol are released by hydrolysis.

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

None known. **Symptoms**

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

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Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon Note to doctors

curing. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

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

chemical

Carbon monoxide. Carbon dioxide (CO2). **Hazardous combustion products**

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

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 Use personal protective equipment as required. Ensure adequate ventilation. Do not get

in eyes, on skin, or on 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 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 containment and cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product **Methods for containment**

and place into a container for later disposal.

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

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. Use personal protective equipment as required. Avoid

contact with skin, eyes or clothing.

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

work.

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7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from moisture. Keep at temperatures between 5 and 35 °C. Keep away from

food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Specific Use(s)

Sealant. Adhesives and/or sealants.

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

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon **Exposure Limits**

curing

Chemical name	European Union	Ireland	United Kingdom
Methyl alcohol	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 260 mg/m ³	TWA: 260 mg/m ³	TWA: 266 mg/m ³
	*	STEL: 600 ppm	STEL: 250 ppm
		STEL: 780 mg/m ³	STEL: 333 mg/m ³
		Sk*	Sk*
Calcium stearate	-	TWA: 10 mg/m ³	-
1592-23-0		STEL: 30 mg/m ³	

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Silane, ethenyltrimethoxy- (2768-02-7)			
Туре	worker Systemic health effects Long term		
Exposure route	Inhalation		
Derived No Effect Level (DNEL)	27,6 mg/m³		

Туре	worker Systemic health effects Long term
Exposure route	Dermal
Derived No Effect Level (DNEL)	3,9 mg/kg bw/d

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)				
Type worker Long term Local health effects				
Exposure route	Inhalation			
Derived No Effect Level (DNEL)	3.35 mg/m³			

Derived No Effect Level (DNEL)				
Silane, ethenyltrimethoxy- (2768-02-7)				
Туре	Consumer Systemic health effects Long term			
Exposure route	Inhalation			
Derived No Effect Level (DNEL)	18,9 mg/m³			

Туре	Consumer Systemic health effects Long term
Exposure route	Dermal
Derived No Effect Level (DNEL)	7,8 mg/kg bw/d

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Type	Consumer Systemic health effects Long term
Exposure route	Oral
Derived No Effect Level (DNEL)	0,3 mg/kg bw/d

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)			
Туре	Consumer Long term		
Exposure route	Inhalation		
Derived No Effect Level (DNEL)	0.83 mg/m³		

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

Predicted No Effect Concentration (PNEC)				
Silane, ethenyltrimethoxy- (2768-02-7)				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Freshwater	0.34 mg/l			
Marine water	0.034 mg/l			
Microorganisms in sewage treatment	110 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 suitable gloves. Recommended Use:. Neoprene™. Nitrile rubber. Butyl rubber.

Glove thickness > 0.7mm. 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 for the mentioned glove material is in general greater

than 480 min. Gloves must conform to standard EN 374

Skin and body protection

Respiratory protection Wear a respirator conforming to EN 140 with Type A/P2 filter or better. In case of

inadequate ventilation wear respiratory protection. Ensure adequate ventilation,

especially in confined areas.

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

None under normal use conditions.

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 stateLiquidAppearancePasteColourGrey

Odour Characteristic

Odour threshold No information available

PropertyValuesRemarks • MethodpHNo data availableNot applicable

pH No data available
Melting point / freezing point No data available
Boiling point / boiling range No data available

Flash point > 61 °C CC (closed cup)

Evaporation rate No data available

Flammability (solid, gas) Not applicable for liquids .

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

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limits

Vapour pressure No data available Vapour density No data available 1.4 - 1.6 Relative density Water solubility Reacts with water Slightly soluble

Solubility(ies) No data available **Partition coefficient** No data available No data available **Autoignition temperature Decomposition temperature** No data available Kinematic viscosity No data available

Spindle 4 @ 1 rpm @ 23 °C Dynamic viscosity approx. 9000 - 13000 Pa.s

Explosive properties No data available No data available **Oxidising properties**

9.2. Other information

No information available Solid content (%) **Softening Point** No information available Molecular weight No information available **VOC Content (%)** No information available

Density ca. 1.5 g/cm³

Bulk density No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Product cures with moisture. Reactivity

10.2. Chemical stability

Stable under normal conditions. Stability

Explosion Data

None. Sensitivity to mechanical

impact

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.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition

None under normal use conditions. Stable under recommended storage conditions.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

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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

ATEmix (dermal) 4,074.80 mg/kg ATEmix (inhalation-vapour) 864.49 mg/l

Component Information

Chemical name Oral LD50		Dermal LD50	Inhalation LC50	
	Silane, ethenyltrimethoxy-	LD50 = 7120 -7236 mg/kg	= 3360 μL/kg (Oryctolagus	LC50 (4hr) 16.8 mg/l (Rattus)
	2768-02-7	(Rattus) OECD 401	cuniculus)	OECD TG 403
	Octadecanoic acid,	LD50 >2000 mg/kg (Rattus)		LC50 =5.05 mg/kg (Rattus)
	12-hydroxy-, reaction products			
	with ethylenediamine			
	100545-48-0			

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

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

Component Information						
Silane, ethenyltrir	Silane, ethenyltrimethoxy- (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results	
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant	

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 431: In	EPISKIN™	in vitro	0.02 g	4 hours	Non-irritant
Vitro Skin Corrosion:					
Human Skin Model Test					

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

Component Information						
Silane, ethenyltrimethoxy- (2768-02-7)						
Method	Species	Exposure route	Effective dose	Exposure time	Results	
OECD Test No. 405:	Rabbit	eye		24 hours	Non-irritant	
Acute Eye						
Irritation/Corrosion						

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)

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Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye	0.1 mL	72 hours	Non-irritant

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

Component Information			
Silane, ethenyltrimethoxy- (276	8-02-7)		
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Not a skin sensitiser

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)					
Method	Species	Exposure route	Results		
OECD Test No. 406: Skin	Guinea pig	Dermal	Sensitizing > 25 %		
Sensitisation			-		

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

Component Information				
Silane, ethenyltrimethoxy- (2768-02-7)				
Method	Species	Results		
DECD Test No. 471: Bacterial Reverse in vitro Not mutagenic				
Mutation Test		-		

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

Component Information		
Silane, ethenyltrimethoxy- (2768-02-7)		
Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Not Classifiable

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)					
Method Species Results					
OECD Test No. 421:	Rat	Not Classifiable			
Reproduction/Developmental Toxicity Screening Test					

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.

Component Information						
Silane, ethenyltrimethoxy- (2768-02-7)						
Method	Species	Exposure route	Effective dose	Exposure time	Results	
OECD Test No. 413:	Rat	Inhalation vapour		90 days	0.058 NOAEL	
Sub-chronic Inhalation						
Toxicity: 90-day Study						

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		Micro-organisms			(long-term)
Silane,	EC 50 (72h) >	LC50 (96h) =	-	EC50(48hr)		
ethenyltrimethoxy-	957 mg/l	191 mg/l		168.7mg/l		
2768-02-7	(Desmodesmus	(Oncorhynchus		(Daphnia		
	subspicatus)	mykiss)		magna)		
	EU Method C.3					
Octadecanoic acid,	EL50 (72h)	LL50 (96h)	-	EL50 (48h)		
12-hydroxy-, reaction	>100 mg/L	>10mg/L		>10mg/L		
products with	Algae	(Onchohynchus		Daphnia		
ethylenediamine	(Pseudokirchner	mykiss)		(Daphnia		
100545-48-0	iella			magna)		
	subcapitata)					

12.2. Persistence and degradability

No information available. Persistence and degradability

Component Information						
Silane, ethenyltrimethoxy- (276	Silane, ethenyltrimethoxy- (2768-02-7)					
Method	Exposure time	Value	Results			
OECD Test No. 301F: Ready	28 days	BOD	51 % Not readily			
Biodegradability: Manometric	-		biodegradable			
Respirometry Test (TG 301 F)						

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Silane, ethenyltrimethoxy-	1.1	-
2768-02-7		

12.4. Mobility in soil

No information available. Mobility in soil

12.5. Results of PBT and vPvB assessment

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

Chemical name	PBT and vPvB assessment	
Silane, ethenyltrimethoxy-	The substance is not PBT / vPvB	
2768-02-7		
Octadecanoic acid, 12-hydroxy-, reaction products with	The substance is not PBT / vPvB	
ethylenediamine		
100545-48-0		

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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

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

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 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 numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Marine PollutantNp

14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN 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

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

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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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH Annex XVII
Dioctyltin oxide	870-08-6	20

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

15.2. Chemical safety assessment

No information available

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

H226 - Flammable liquid and vapour

H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled

H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

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

Ceiling Maximum limit value * Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) 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

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Revision note SDS sections updated, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.

Training Advice When working with hazardous materials, regular training of operators is required by law

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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