

EVO-STIK STICKS LIKE A/W ADHESIVE CLEAR
Supersedes Date: 01-Nov-2017

Revision Date 07-Nov-2017
Version 1.03

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name EVO-STIK STICKS LIKE A/W ADHESIVE CLEAR
Pure substance/mixture Mixture

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

Recommended use Adhesives, sealants.
Uses advised against Not to be used in production of toys or childcare articles

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: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1B - (H317)

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine



Signal Word
WARNING

Hazard statements

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H319 - Causes serious eye irritation
H317 - May cause an allergic skin 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
P280 - Wear protective gloves and eye/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

General Hazards

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

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

Mixture

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) STOT RE 2 (H373)		01-2119513215-52 -XXXX
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	217-164-6	1760-24-3	1- <2.5	Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H332)		01-2119970215-39 -XXXX
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	258-207-9	52829-07-9	0.1 - <1	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		01-2119537297-32 -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

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4.1. Description of first aid measures

General Advice	Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a doctor.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).
Self-Protection of the First Aider	First aider: Pay attention to self-protection.

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 Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. May cause sensitisation of susceptible persons.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

Large Fire

When a large quantity of this material is involved in a major fire, consider an initial evacuation distance of 300 metres (1000 feet) in all directions.

Unsuitable Extinguishing Media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Carbon monoxide. Carbon dioxide (CO₂). Halogenated hydrocarbons. Nitrogen oxides (NO_x).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protection equipment. Avoid contact with skin, eyes or clothing. Do not touch or walk through spilled material.

For emergency responders

Use personal protection recommended in Section 8.

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6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. 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 Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

6.4. Reference to other sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

General Hygiene Considerations

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

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep away from food, drink and animal feedingstuffs. Recommended storage temperature. 10 - 35 °C. Keep from freezing. Keep container tightly closed and dry. Product cures with moisture.

7.3. Specific end use(s)

OTHER INFORMATION

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

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

Chemical Name	European Union	Ireland	United Kingdom
Diisononyl phthalate 28553-12-0	-	TWA: 5 mg/m ³ STEL: 15 mg/m ³	STEL: 15 mg/m ³ TWA: 5 mg/m ³
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ S*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Skin	STEL: 250 ppm STEL: 333 mg/m ³ TWA: 200 ppm TWA: 266 mg/m ³ Skin

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration No information available.

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(PNEC)

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). Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Hand Protection

Wear suitable gloves. Gloves must conform to standard EN 374. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wear protective butyl rubber gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Wear protective nitrile rubber gloves. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 180 min.

Skin and Body Protection

None under normal use conditions.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases and vapours filter conforming to EN 14387.

Recommended filter type:

Wear a respirator conforming to EN 140 with Type A/P2 filter or better.

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	Liquid
Appearance	Paste
Colour	Clear
Odour	Characteristic
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling Point	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	Insoluble in water	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	

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Dynamic Viscosity No information available

9.2. Other information

Softening Point No information available
Molecular Weight No information available
Solvent content (%) No information available
Solid content (%) No information available
Density 1.05 g/cm³
Bulk Density No data available
VOC content (%)

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Product cures with moisture.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None known.

10.4. Conditions to avoid

Protect from moisture. Product cures with moisture. Extremes of temperature and direct sunlight. Keep from freezing.

10.5. Incompatible materials

Water.

10.6. Hazardous decomposition products

None under normal use and recommended storage conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No data available.

Inhalation	No known effect.
Eye contact	No known effect based on information supplied.
Skin Contact	No data available.
Ingestion	No data available.
Sensitisation	No data available.

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

Skin Corrosion/Irritation Not applicable.

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Serious eye damage/eye irritation Not applicable.
Sensitisation Not applicable.
Germ Cell Mutagenicity Not applicable.
Carcinogenicity Not applicable.
Reproductive Toxicity No information available.
STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Aspiration hazard Not applicable.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (inhalation-dust/mist) 139.10 mg/l
 ATEmix (inhalation-vapour) 413.00 mg/l

Component Information

Toxicity Data Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Silane, ethenyltrimethoxy- 2768-02-7	LD 50 = 7120 -7236 mg/kg (Rat) OECD 401	= 3360 µL/kg (Rabbit)	-
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine 1760-24-3	= 2413 mg/kg (Rat) = 7460 µL/kg (Rat)	-	LC50 4H (Aerosol) 1.5 - 2.44 mg/L air
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate 52829-07-9	LD50 (rat) > 2000 mg/kg OECD 423	LD50 (rat) > 3 170 mg/kg OECD 402	= 500 mg/m ³ (Rat) 4 h

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Classification is shown in section 2 of this SDS

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Silane, ethenyltrimethoxy- 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	L50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)	
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine 1760-24-3	-	LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static	EC50 (48h) =81mg/L Daphnia magna Static	
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate 52829-07-9	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) = 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)	

12.2. Persistence and degradability

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None known.

12.3. Bioaccumulative potential

None known.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

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Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

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: TRANSPORTATION INFORMATION

ADR

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

IMDG

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class 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 73/78 and the IBC Code No information available

RID

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated

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14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

ICAO (air)

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

IATA

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental Hazard 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

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

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

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

Chemical Name	CAS No	Restrictions on use
Diisononyl phthalate	28553-12-0	52[a].
Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	93925-43-0	3
		20
		40

52 . Not to be used in toys or childcare articles above 0.1% which can be placed in the mouth by children.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

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

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Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Persistent Organic Pollutants
Not applicable

15.2. Chemical safety assessment

None

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

H318 - Causes serious eye damage
H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled
H226 - Flammable liquid and vapour
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

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

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 07-Nov-2017

Indication of changes

Revision Note Not applicable.

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

Additional information No information available

This 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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