

**SERIOUSLY STRONG STUFF FAST SETTING GRAB
ADHESIVE**
Supersedes Date: 17-Jun-2016

Revision Date 08-Nov-2016

Version 1.02

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

1.1. Product Identifier

Product Name SERIOUSLY STRONG STUFF FAST SETTING GRAB ADHESIVE
Pure substance/mixture Mixture

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

Recommended use Adhesives.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik SA
Immeuble "Le Jade"
253 Avenue du President Wilson
93211 La Plaine Saint Denis
France
Tel: +33 (0)1 55 99 90 00
Fax: +33 (0)1 55 99 90 01

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]

Not classified

Unknown acute toxicity 14 % of the mixture consists of ingredient(s) of unknown toxicity
Unknown aquatic toxicity Contains 17 % of components with unknown hazards to the aquatic environment

2.2. Label Elements

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

Not classified

Signal Word
No signal word

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

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

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P102 - Keep out of reach of children

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

Not applicable

3.2 Mixtures

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Silane, ethenyltrimethoxy-	220-449-8	2768-02-7	1 - <5	Acute Tox. 4 (H332) Flam. Liq. 3 (H226)	01-2119513215-52-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

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

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curing.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Full 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).

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.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

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

Take up mechanically, placing in appropriate containers for disposal.

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

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Storage Conditions

Protect from moisture. Keep container tightly closed in a cool place. Keep away from food, drink and animal feeding stuffs. 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)

Specific Use(s)

Sealant. Observe technical data sheet.

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
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 (PNEC) No information available.

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tight sealing safety goggles.
Skin and Body Protection Suitable protective clothing.

Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Solid
Appearance Paste
Colour White
Odour No information available
Odour Threshold No information available

Property

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
Flammability Limit in Air
Upper Flammability Limit No information available
Lower Flammability Limit No information available

Remarks • Method

Not applicable for liquids

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Vapour Pressure	No information available
Vapour Density	No information available
Specific Gravity	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
Dynamic Viscosity	30000 - 45000 Pa.s

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	1.53 g/cm ³
Bulk Density	No Data Available
VOC content (%)	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

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 under normal processing.

10.4. Conditions to avoid

Protect from moisture. Product cures with moisture.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

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No information or data specific to the product on this toxicological (health) effect is available.

Inhalation No Data Available.
Eye contact No Data Available.
Skin Contact No Data Available.
Ingestion No Data Available.
Sensitisation No Data Available.

Skin Corrosion/Irritation Not applicable.

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.

Target Organ Effects Eyes, Respiratory system, Skin.

Aspiration Hazard No information available.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral) 10,474.00 mg/kg
ATEmix (dermal) 86,628.81 mg/kg
ATEmix (inhalation-vapour) 284.00 mg/l

Unknown acute toxicity 14 % of the mixture consists of ingredient(s) of unknown toxicity.

Component Information

Toxicity Data No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Silane, ethenyltrimethoxy-	LD 50 = 7120 -7236 mg/kg (Rat) OECD 401	= 3360 µL/kg (Rabbit)	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	-	-	= 500 mg/m ³ (Rat) 4 h

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

Data obtained on the component(s) include

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Chemical Name	Algae/aquatic plants	Fish	Crustacea
Silane, ethenyltrimethoxy-	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)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

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

This product does not contain any known or suspected endocrine disruptors.

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 Improper disposal or reuse of this container may be dangerous and illegal.

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

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

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RID

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

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

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

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)

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

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

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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

H332 - Harmful if inhaled
H226 - Flammable liquid and vapour
H318 - Causes serious eye damage
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 08-Nov-2016

Indication of changes

Revision Note SDS sections updated: 3, 9, 11.

Training Advice No information available

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 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