



NATIONAL ADHESIVE DISTRIBUTORS

CK 2000/063562/23 VAT No.: 4370194633

Head Office:
Phone: (031) 464 0273
93 Goodwood Road
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Durban, 3608

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PO Box 28089
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98 Richards Drive, Halfway House
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CPT Branch:
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Fax: 086 547 5373/
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Virginia, USA:
Phone: (+1) 571 340 4478
8280 Willow Oaks
Corporate Drive
Suite 600
Fairfax, VA, 22031

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and company

1.1. Identification of the substance/preparation:

Product name: Screw It Adhesive/Sealant

1.2. Use of the substance/preparation:

Construction industry, both indoors and outdoors as an elastic adhesive and sealant

1.3. Company Address:

93 Goodwood Road
Mahogany Ridge
Westmead
Tel: +27 31 464 0273
Fax: +27 31 464 0107

1.4. Telephone Number for emergency:

+27 31 464 0273

2. Hazard Identification

2.1. Classification of the mixture

Classification according to Regulation (EC) No 1272/2008

This product is not classified as dangerous according to EU Directives- (EC) No. 1272/2008.

2.2. Label Elements

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

This product is not subject to classification according to EU Directives- (EC) No. 1272/2008. Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 3-(Trimethoxysilyl)-1-propanamine,. May cause eye irritation. Evolves methanol during cure.

3. Composition/Information on Ingredients

Chemical structure: Hybrid Sealant

According to EU Directives- (EC) No. 1272/2008:



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Chemical Name	CAS No.	EINECS/ELINCS No.	REACH Registration Number	Concent.	Classification of Substances	Classification of Mixture
				(%w/w)		
Vinyltrimethoxysilane	2768-02-7	220-449-8	01-211951321552-0003	<2	Flammable Liquid 3, H226 Acute Tox. 4, H332	-

*For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First Aid Measures

4.1. In case of eye contact:

Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes)
Seek medical advice.

4.2. In case of skin contact:

Wipe off. Wash affected areas with soap and plenty of water.
If irritation persists, seek medical advice.

4.3. If swallowed:

Do not induce the patient to vomit. Rinse mouth.
Give victim two glasses of water.
Never give anything by mouth to an unconscious person.
Seek medical advice.

4.4. If inhaled:

Take the person into the fresh air.
Seek medical advice.

5. Fire-fighting measures

5.1. Special protective equipment/procedures:

A self-contained respirator and protective clothing should be worn.
Mask and chemical resistant personal protective equipment should be used.
Determine the need to evacuate or isolate the area according to your local emergency plan.

5.2. Hazards during fire fighting

No data available



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5.3. Suitable extinguishing media:

Water fog (if unavailable fine water spray), foam, dry chemical or carbon dioxide can be used.

5.4. Unsuitable extinguishing media:

No data available

5.5. Hazards combustion products:

No data available

6. Accidental Release Measures

6.1. Spill / Leak:

Avoid contact with.

Ventilate the area with fresh air.

Stop the leak if there is no risk.

6.2. Personal precautions:

Use personal protective equipment (protective gloves, work clothes and glasses) Provide adequate ventilation.

Smoking is prohibited.

6.3. Methods for cleaning up:

Collect as much of the spilled material as possible.

Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air.

6.4. Environment related measures:

Collect the resulting residue containing solution.

Place in a closed container approved for transportation by appropriate authorities.

Dispose of collected material as soon as possible.

Prevent the spilled material to leak and contact with garbage, canals and sewage

If the product has caused environmental pollution (sewers, waterways, soil or air), inform the relevant authorities.

7. Handling and Storage

7.1. Usage:

Avoid contact with eyes and skin.

Wear appropriate personal protective equipment.

Avoid breathing of vapours.

While using this product do not eat, drink or smoke.



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Ensure good ventilation.
Keep in original container, tightly close the container used.
Do not burn the product container.

7.2. Storage:

Store in accordance with local regulations.
Store away from heat sources and foodstuffs, beverages and food.
Keep container tightly closed.
Store in a cool, dry place. (between +5°C +25°C)

8. Exposure Controls/Personal Protection

8.1. Engineering Controls:

No data available for the mixture

8.2. Personal Protection Equipment

Eyes: Avoid eye contact. Safety goggles should be worn.

Skin: Avoid skin contact.

Chemical resistant gloves should be worn.

Recommended: Butyl rubber / nitrile rubber
gloves.

Respiratory: Avoid breathing of vapours.

Respiratory protection should be used.

In case of long-term interactions, fresh air mask should be used.

8.3. Hygiene Measures:

Avoid contact with eyes.

Especially in confined places, make sure you have proper ventilation.

Follow good industrial hygiene and safety practice.

Especially before eating, drinking or smoking, wash hands.

While using the product, do not drink, eat or smoke.

8.4. Environmental exposure controls:

Refer to section 6 and 12.

9. Physical and Chemical Properties:

Appearance: Paste

Odour: Slight odour

Colour: White

Important Health, Safety and Environmental Information:

Specific Gravity: 1,52 ± 0,03 gr/cm³



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Boiling Point: no data available
Melting Point: no data available
Vapour Pressure: no data available
Inflammation: no data available
Water Solubility: Insoluble, reacts with water

The above information is not intended for use in preparing product specifications.

10. Stability and Reactivity

10.1. Chemical Stability:

Stable under normal usage conditions.

10.2. Materials to avoid:

Reacts with alcohols and amines. Reacts with water forming methanol.

10.3. Hazardous Polymerization:

Hazardous polymerization will not occur

11. Toxicological Information

No data available for the mixture

11.1. Acute Toxicity

Acute Toxicity								
Substance	Cas No	Exposure Type	Parameter	Method	Value	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	Dermal	LD50		3200 mg/kg		rabbit	Literature/Supplier
		Oral	LD50		7120–7236 mg/m3		rat	Literature/Supplier
		by inhalation (gas / vapour)	LC50		16,8 mg/m3	4 h	rat	Literature/Supplier

11.2. Corrosion/ Irritation

Corrosion / Irritation



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Substance	Cas No	Exposure Type	Result	Method	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	Eyes	Not irritating			Rabbit	Literature/Supplier

11.3. Sensitization

Sensitization							
Substance	Cas No	Exposure Type	Result	Method	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	Skin	Not irritating			Rabbit	Literature/Supplier

11.4. Genotoxicity

Genotoxicity							
Substance	Cas No	Result	Method	Exposure Time	Species	Organ	Value Determination
Vinyltrimethoxysilane	2768-02-7	negative	mutation assay (in vitro)		Bacteria		Literature/Supplier
		Negative	mutation assay (in vitro)		Mammalian		Literature/Supplier
		Positive	chromosome aberration assay (in vitro)		Mammalian		Literature/Supplier
		Negative	micro nucleus assay (in vivo)		Mause		Literature/Supplier

11.5. Carcinogenicity

No data available for the mixture.

11.6. Reproductive Toxicity

Examinations of fertility disruption



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Substance	Cas No	Exposure Type	Parameter	Method	Value	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	oral (gavage)	NOAEL	screening test	>= 1000 mg/kg	28 d	rat	Literature/Supplier

Examinations of developmental toxicity and teratogenicity								
Substance	Cas No	Exposure Type	Parameter	Method	Value	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	oral (gavage)	NOAEL (developmental)	screening test	>= 1000 mg/kg	7 d/w	rat	Literature/Supplier
		by inhalation (vapour)	NOAEC (developmental)	screening test	1,7 mg/l	day 6 - 15 of gestation; 6 hours/day	rat	Literature/Supplier
			NOAEC (maternal)	screening test	0,14 mg/l	day 6 - 15 of gestation; 6 hours/day	rat	Literature/Supplier

11.7. STOT-SE

No data available for the mixture.

11.8. STOT-RE

Substance	Cas No	Exposure Type	Parameter	Method	Value	Exposure Time	Species	Value Determination
Vinyltrimethoxysilane	2768-02-7	by inhalation (vapour)	NOAEC	Subchronic study	0,058 mg/l	90 d; 5 d/w; 6 hours/day	rat	Literature/Supplier
			LOAEC	Subchronic study	0,58 mg/l	90 d; 5 d/w; 6 hours/day	rat	Literature/Supplier



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by inhalation (vapour)	NOAEC	Subchronic study	0,058 mg/l	90 d; 5 d/w; 6 hours/day	rat	Literature/Supplier
	LOAEC	Subchronic study	0,58 mg/l	90 d; 5 d/w; 6 hours/day	rat	Literature/Supplier
	NOAEC	Subacute study	< 62,5 mg/kg	28d	rat	Literature/Supplier
	LOAEC	Subacute study	62,5 mg/kg	28d	rat	Literature/Supplier
oral (gavage)	NOAEC	Subacute study	< 62,5 mg/kg	28d	rat	Literature/Supplier
oral (gavage)	LOAEC	Subacute study	62,5 mg/kg	28d	rat	Literature/Supplier

11.9. Other Information

Fully cured Hybrid sealant (at least 24 hours) is not toxic or irritating.

Evolves methanol during curing. According to literature methanol irritates mucuous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves over a period of time.

12. Ecological Information

No data available for the mixture.

12.1. Toxicity

Substance	Cas No:	Method	Parameter	Result	Duration	Species	Value Source
Vinyltrimethoxysilane	2768-02-7		LC50 (nominal)	191 mg/l	96h	Oncorhynchus mykiss	Literature/Supplier
			EC50 (nominal)	169 mg/l	48h	Daphnia magna	Literature/Supplier
			IC50 (nominal)	210 mg/l	72h	Selenastrum capricornutum	Literature/Supplier
			NOEC (nominal)	25 mg/l	72h	Selenastrum capricornutum	Literature/Supplier
			EC10	1000 mg/l	5h	Pseudomonas putida	Literature/Supplier



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			NOEC (reproduction)	28 mg/l	21d	Daphnia magna	Literature/ Supplier
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12.2. Persistence and Degradability

The product of hydrolysis (methanol) is readily biodegradable. silanol- and/or siloxanol-compounds: Biologically not degradable. Elimination by adsorption to activated sludge.

Biodegradation					
Substance	Cas No:	Method	Result	Duration	Value Source
Vinyltrimethoxysilane	2768-02-7	BOD	51 %	28d	Literature/ Supplier

Hydrolysis				
Substance	Cas No:	Method	Result	Value Source
Vinyltrimethoxysilane	2768-02-7	pH 7; 20 °C	Half-life: 0,2 h	Literature/ Supplier

12.3. Bioaccumulation

No data available for the mixture.

13. Disposal Considerations:

13.1. Product Disposal:

Dispose of in accordance with local regulations.

13.2. Packing Disposal:

Dispose of in accordance with local regulations.

14. Transport Information:

14.1. Road /Rail (ADR/RID):

Not subject to ADR/RID



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14.2. Sea Transport (IMDG): Not subject to IMDG

14.3. Air Transport (IATA): Not subject to IATA

15. Regulatory Information:

15.1. Labelling:

Not classified as dangerous.

15.2. National Legislation/Regulations:

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

16. Other Information

16.1. Information Sources:

This SDS is prepared based on the information received from the suppliers.

16.2. Full text of H-phrases referred to under sections 2 and 3

H226: Flammable liquid and vapour

H332: Harmful if inhaled.

16.3. Additional Information

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.



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It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

REVISED JUNE 2019