

Section 1 - Identification of The Material and Supplier**Simseal**

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1300 SILICONE

Chemical nature: Adhesive
Trade Name: SimFlex Grassbond Adhesive
Product Use: Professional use
Creation Date: May, 2023
This version issued: May, 2023 and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification**Statement of Hazardous Nature -****GHS Signal word: -****Precautionary Statement -**

EUH-statements:

EUH208 - Contains N-(3-(TRIMETHOXYSYLYL)PROPYL)ETHYLENEDIAMINE, trimethoxyvinylsilane; trimethoxy(vinyl)silane, DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

Other hazardsContains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc, %
trimethoxyvinylsilane; trimethoxy(vinyl)silane	2768-02-7	0.1 – 1
N-(3-(TRIMETHOXYSYLYL)PROPYL)ETHYLENEDIAMINE	1760-24-3	0.1 – 1
DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN	22673-19-4	0.1 – 1
substance listed as REACH Candidate		

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

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Section 4 - First Aid Measures

General Information:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment..

Inhalation: Move person to fresh air, if effects occur, consult a physician.

Skin Contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including articles such as shoes, belts and watchbands.

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with water. Call a poison center or a doctor if you feel unwell.

Treat symptomatically and supportively.

Symptoms/effects : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Toxic fumes may be released.

Extinguishing Media: Water spray. Dry powder. Foam.

Unsuitable extinguishing media : -

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Section 6 - Accidental Release Measures

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up : Mechanically recover the product. Dispose of materials or solid residues at an authorized site.

Section 7 - Handling and Storage

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

	WEL TWA (mg/m ³)	STEL (mg/m ³)
1,2-BENZENEDICARBOXYLIC ACID,DI-C8-10-BRANCHED ALKYL ESTERS,C9-RICH (68515-48-0)	≈ 5 mg/m ³	-
CALCIUM CARBONATE (471-34-1)	≈10 mg/m ³	-

Appropriate engineering controls: Ensure good ventilation of the work station.

Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Hand protection:	Protective gloves
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment

Avoid release to the environment.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Paste
Odour:	odourless.
Boiling Point:	No data.
Flash Point:	No data.
Viscosity kinematic:	No data.
Viscosity Dynamic:	No data.
Vapour Density:	No data.
Relative Density:	≈ 1.64
Water Solubility:	No data.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	No data
Autoignition temp:	No data.
VOC content:	≈ 18.59 g/l

Section 10 - Stability and Reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Conditions to Avoid: None under recommended storage and handling conditions (see section 7).

Incompatibilities: No additional information available

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous Reactions: No dangerous reactions known under normal conditions of use.

Chemical Stability: Stable under normal conditions.

Section 11 - Toxicological Information

Skin Corrosion/ Irritation: -

Serious eye damage/eye irritation: -

Skin and Respiratory Sensitization: -

May cause respiratory irritation.

Section 12 - Ecological Information

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.**Hazardous to the aquatic environment, short-term (acute):** Not classified**Hazardous to the aquatic environment, long-term:** Not classified**Not rapidly degradable**

Section 13 - Disposal Considerations

Disposal: Dispose of contents/container in accordance with licensed collector s sorting instructions. Flammable vapours may accumulate in the container.

Section 14 - Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID**ADR**

UN number Not applicable

UN proper shipping name Not applicable

Transport document description Not applicable

Transport hazard class(es) Not applicable

Packing group Not applicable

Environmental hazards Not applicable

IMDG

UN number Not applicable

UN proper shipping name Not applicable

Transport document description Not applicable

Transport hazard class(es) Not applicable

Packing group Not applicable

Environmental hazards Not applicable

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IATA

UN number	Not applicable
UN proper shipping name	Not applicable
Transport document description	Not applicable
Transport hazard class(es)	Not applicable

Packing group	Not applicable
Environmental hazards	Not applicable

ADN

UN number	Not applicable
UN proper shipping name	Not applicable
Transport document description	Not applicable
Transport hazard class(es)	Not applicable

Packing group	Not applicable
Environmental hazards	Not applicable

RID

UN number	Not applicable
UN proper shipping name	Not applicable
Transport document description	Not applicable
Transport hazard class(es)	Not applicable

Packing group	Not applicable
Environmental hazards	Not applicable

Special precautions for user**Overland transport**

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

Section 15 - Regulatory Information

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit:

Dibutylbis(pentane-2,4-dionato-O,O')tin (EC 245-152-0, CAS 22673-19-4)

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content: ≈ 18.59 g/l

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
EUH208	Contains N-(3-(TRIMETHOXYISILYL)PROPYL)ETHYLENEDIAMINE, trimethoxyvinylsilane; trimethoxy(vinyl)silane, DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.

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THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Guarantee/Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for caused by discolouration or yellowing due to vapour or chemicals caused by painting or chemicals to cause reaction to the product or labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.

Warning

Although the technical details and recommendations contained in the product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason,, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application, In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.

Legal Notice

The contents of this SDS may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the SDS in force at the time of the Simseal product installation. The most up-to-date TDS & SDS can be downloaded from our website www.simseal.com.au. Any alteration to the wording or requirements contained or derived from this SDS excludes the responsibility of Simseal.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011) Copyright © Kilford & Kilford Pty Ltd, January, 2021.

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