

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

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1300 SILICONE

Chemical nature: Mixture
Trade Name: FireFlex MS Sealant
Product Use: Professional use
Creation Date: April, 2023
This version issued: April, 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**

Skin sensitisation : Category 1

H317 May Cause an allergic skin reaction

GHS Signal word: Warning**PREVENTION**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves /protective clothing/ eye protection / face protection

RESPONSE

P302+P352 IF ON SKIN : Wash with plenty of soap and water

P321 Specific treatment (see supplemental first aid instructions on this label, MSDS)

P333+P313 If skin irritation on rash occurs: Get medical advice/attention

P362+P364 Take off contaminated clothing and wash before reuse

DISPOSAL

P501 Dispose of contents/container by the special waste disposal trader who receives the permission of metropolis and districts governor.

**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc, %
Calcium carbonate	471-34-1	30 ~ 40
Aluminum hydroxide	21645-51-2	15 ~ 25
3-(Trimethoxysilyl)propyl]amino]carbonyl	216597-12-5	20 ~ 30
Diisononyl Phthalate	68515-48-0	10 ~ 20
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate	41556-26-7	0.1 ~ 1
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	3069-29-2	0.1 ~ 1

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.

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Carbon oxides, Metal oxides, Silicon oxides, Nitrogen oxides (NOx). Exposure to combustion products may be a hazard to health.

Extinguishing Media: Water spray, Alcohol-Resistant foam, Carbon Dioxide(CO2) Dry chemical.

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

Flash point: No data.

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class : No data.

Section 6 - Accidental Release Measures

Emergency procedures : Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

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 : Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean up of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Section 7 - Handling and Storage

Precautions for safe handling : Do not get on skin or clothing. Do not swallow. Avoid contact with eyes. Protect from moisture. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene ventilation. See Engineering measures under EXPOSURE CONTRALS/PERSONAL PROTECTION section.

Storage conditions : Keep in properly labeled containers. Store lock up. Store in accordance with the particular national regulations. Do not store with the following product types : Strong oxidizing agents. Unsuitable materials for containers : Do not store in or use iron or steel containers.

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**.

CALCIUM CARBONATE (471-34-1)WEL TWA (mg/m³) ≈ 10 mg/m³**Aluminum hydroxide (21645-51-2)**WEL TWA (mg/m³) ≈ 1 mg/m³**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:** Some odour.**Boiling Point:** No specific data. Expected to decompose before boiling.**Freezing/Melting Point:** No specific data. Solid at normal temperatures.**Volatiles:** No data.**Vapour Pressure:** No data.**Vapour Density:** No data.**Specific Gravity:** 1.52 (Uncured)**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.

Section 10 - Stability and Reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.**Conditions to Avoid:** Exposure to moisture.**Incompatibilities:** Oxidizing agents**Hazardous Decomposition:** Formaldehyde. Methanol

Section 11 - Toxicological Information

Skin Corrosion/ Irritation:	Prolonged exposure likely to cause skin irritation. May cause skin irritation due to mechanical abrasion.
Serious eye damage/eye irritation:	May cause eye irritation. Corneal injury is unlikely. Solid or dust may cause irritation or corneal injury due to mechanical action
Skin and Respiratory Sensitization:	Contains component(s) which have caused allergic skin sensitization.

Section 12 - Ecological Information

Ecology - general:	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Harmful to aquatic life with long lasting effects.

Not rapidly degradable

Section 13 - Disposal Considerations

Disposal: Do not dump into any sewers, on the ground, or into any body of water. Regulations may vary in different locations. The information presented here pertains only to the product as shipped in its intended condition as described in MSDS section : composition information Dispose of contents and container according to wastes control act. Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not reuse containers for any purpose. Dispose of contents and container according to wastes control act.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: 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: 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] (EC 500-315-8, CAS 127087-87-0)

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

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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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