

**HOLDFAST® SILASEAL RTV ACETIC SILICONE
MATERIAL SAFETY DATA SHEET**

1. Identification of the Substance/Preparation

1.1 Identification of the substance or preparation:

Product Name: HOLDFAST® Silaseal RTV Acetic Silicone
Other Names: -
Proper shipping name:-
Recommended Use: -

1.2 Product Code:
 01308 (30ml Blistered)

1.3 Contact Details:
 Holdfast NZ LTD
 14 Avalon Drive
 Newton
 Hamilton 3200
 New Zealand

Freephone: 0800 70 10 80
 Phone: (07) 847 5540
 Fax: (07) 847 0324
 Email: sales@holdfast.co.nz
 Website: www.holdfast.co.nz



2. Hazards Identification

No hazard classification in accordance with EC-directives 67/548/EEC and 1999/45/EC.

3. Composition/Information on Ingredients

Ingredients	CAS No. EINECS No.	Concentration of ingredients % state <i>whether by weight or volume</i>	Hazard Symbol	Risks (R-phrases)
Titanium dioxide	13463-67-7	<5%	-	-
Methyltriacetoxysilane	4253-34-3	<5%		
Treated Fume Silica	68611-44-9	5-15%		

4. First Aid Measures

4.1 Swallowed:

Irritation of the mouth, throat and stomach.

4.2 Eye contact:

Immediately flush with water, seek medical advice if necessary.

4.3 Skin Absorption:

Wipe with paper towel and immediately clean with water and soap.

4.4 Inhalation:

Remove the victim into fresh air Seek medical advice.

5. Fire-Fighting Measures

5.1 Fire extinguishing media:

All standard fire-fighting media.

5.2 Special exposure hazards:

On burning: Release of Carbon dioxide, carbon monoxide, silicone dioxide, acetic acid, formaldehyde.

5.3 Special protective equipment for fire-fighters:

Not specified

Include HAZCHEM code of numbers and letters if available

6. Accidental Release Measures

6.1 Environmental precautions:

Use appropriate containment to avoid environmental contamination.

6.2 Methods for cleaning up:

Take up mechanically.

7. Handling and Storage

7.1 Handling:

Avoid contact with eyes and skin. Ensure good ventilation during processing. Wear safety shoes.

7.2 Storage:

Keep container tightly closed.

7.3 Specific Uses:

- See information supplied by the manufacturer

8. Exposure Controls/Personal Protection

8.1 Exposure limit values:

TLV-TWA : not listed
TLV-STEL : not listed
TLV-Ceiling : not listed

OES-LTEL : not listed
OES-STEL : not listed

MAK : not listed
TRK : not listed

MAC-TGG 8 h : not listed
MAC-TGG 15 min. : not listed
MAC-Ceiling : not listed

VME-8 h : not listed
VLE-15 min. : not listed

GWBB-8 h : not listed
GWK-15 min. : not listed
Momentary value : not listed

EC : not listed

EC-STEL : not listed

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Use only in well ventilated area

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 Respiratory protection:

- General ventilation recommended

8.3.2 Hand protection:

- Chemically resistant gloves

8.3.3 Eye protection:

- Safety glasses

8.3.4 Skin protection:

- Suitable Protective clothing

9. Physical and Chemical Properties

9.1 General information:

Appearance (at 20°C)	: Paste
Odour	: Acetic Vinegar
Colour	: Clear and pigmented

9.2 Important health, safety and environmental information:

pH value	: N.D	
Boiling point/boiling range	: N.D	°C
Flashpoint	: N.D	°C
Explosion limits	: N.D	Vol%
Vapour pressure (at 20°C)	: N.D	hPa
Vapour pressure (at 50°C)	: N.D	hPa
Relative density (at 20°C)	: 1.6	
Water solubility	: Insoluble	
Soluble in	: Organic solvents	
Relative vapour density	: N.D	
Viscosity	: N.D	Pa.s
Partition coefficient n-octanol/water	: N.D	
Evaporation rate		
Ratio to butyl acetate	: N.D	
Ratio to ether	: N.D	

9.3 Other information:

Melting point/melting range	: N.D	°C
Auto-ignition point	: N.D	°C
Saturation concentration	: N.D	g/m ³

10. Stability and Reactivity

10.1 Conditions to avoid/reactivity

- Stable under normal conditions

10.2 Materials to avoid:

- Water

10.3 Hazardous decomposition products:

Carbon dioxide, carbon monoxide, silicone dioxide, acetic acid, formaldehyde.

11. Toxicological Information

11.1 Acute toxicity:

LD50 oral rat	: N.D	mg/kg
LD50 dermal rat	: N.D	mg/kg
LD50 dermal rabbit	: N.D	mg/kg
LC50 inhalation rat	: N.D	mg/1/4 h
LC50 inhalation rat	: N.D	ppm/4 h

11.2 Chronic toxicity:

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: not listed

Carcinogenicity (TLV)	: not listed
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed

Carcinogenicity (MAK)	: not listed
Mutagenicity (MAK)	: not listed
Teratogenicity (MAK)	: not listed

IARC classification	: not listed
---------------------	--------------

11.3 Routes of exposure:

Ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

Irritant for skin and mucous membranes. Irritant effect on the eye. Sensitization possible by inhalation.

11.5 Chronic effects:

- None known

12. Ecological Information

12.1 Ecotoxicity:

- No data available

12.2 Mobility:

Volatile organic compounds (VOC): N.D

For other physicochemical properties see section 9

12.3 Persistence and degradability:

- biodegradation BOD₅

- water	: N.D	% ThOD
- soil	: No data available	
12.4 Bioaccumulative potential:		
- log P _{ow}	: T ½: N.D	days
- BCF		
12.5 Other adverse effects:	: N.D	
- WGK	: N.D	
- Effect on the ozone layer	: 1	(Classification based on the components as per
- Greenhouse effect		per Verwaltungsvorschrift wassergefährdender
- Effect on waster water purification		Stoffe (VwVwS) of 17 May 1999)

13. Disposal Considerations

- 13.1 Provisions relating to waste:**
- Waste material code(75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09)
- 13.2 Disposal methods:**
- Remove to an authorized incinerator equipped with an afterburner and flue gas scrubber
- 13.3 Packaging:**
- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J L47 of 16/2/2001): 15 01 02 (plastic packaging)

14. Transport Information

- 14.1 Classification of the substance in compliance with UN Recommendations:**
- | | |
|----------------------|---------------|
| UN-number | : - |
| DG CLASS | : NOT SUBJECT |
| SUBSIDIARY RISKS | : |
| PACKING | : |
| PROPER SHIPPING NAME | : |
| HAZCHEM CODE | : |
- 14.2 ADR (transport by road)**
- | | |
|-----------------------|---------------|
| CLASS | : NOT SUBJECT |
| PACKING | : |
| DANGER LABEL TANKS | : |
| DANGER LABEL PACKAGES | : |
- 14.3 RID (transport by rail)**
- | | |
|-----------------------|---------------|
| CLASS | : NOT SUBJECT |
| PACKING | : |
| DANGER LABEL TANKS | : |
| DANGER LABEL PACKAGES | : |
- 14.4 ADNR (transport by inland waterways)**
- | | |
|-----------------------|---------------|
| CLASS | : NOT SUBJECT |
| PACKING | : |
| DANGER LABEL TANKS | : |
| DANGER LABEL PACKAGES | : |

14.5	IMDG (maritime transport)	
	CLASS	: NOT SUBJECT
	SUB RISKS	:
	PACKING	:
	MFAG	:
	EMS	:
	MARINE POLLUTANT	:
14.6	ICAO (air transport)	
	CLASS	: NOT SUBJECT
	PACKING	:
	PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
	PACKING INSTRUCTIONS CARGO AIRCRAFT	:
14.7	Special precautions in connection with transport	: Not restricted for any mode of International transport

15. Regulatory Information

Labelling in accordance with directives 67/548/EEC and 1999/45/EC

16. Other Information

Last updated 9th March 2012, Created 9th March 2012

The information provided on this SDS 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 as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
 * = INTERNAL CLASSIFICATION

Exposure limits:

TLV : Threshold Limit Value – ACGIH US 2000
OES : Occupational Exposure Standards – United Kingdom 1999
MEL : Maximum Exposure Limits – United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen – Germany 2001
TRK : Technische Richtkonzentrationen – Germany 2001
MAC : Maximale aanvaarde concentratie – the Netherlands 2002
VME : Valeurs limites de Moyenne d'Exposition – France 1999
VLE : Valeurs limites d'Exposition à court terme – France 1999
GWBB : Grenswaarde beroepsmatige blootselling – Belgium 1998
GWK : Grenswaarde kortstondige blootselling – Belgium 1998
EC : Indicative occupational exposure limit values – directive 2000/39/EC

I : Inhalable fraction = T : Total dust = E : Einatembarer Aerosolanteil
R : Respirable fraction = A: Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a:	aerosol	r:	rook/Rauch	(fume)
d:	damp	st:	Stof/Staub	(dust)
du:	dust	ve:	vezel	(fibre)
fa:	Faser	va:	vapour	
fi:	fibre	om:	oil mist	

fu: fume
p: poussière (dust) **on:** Olienevel/Öinebel (oil mist)
part: particles

Chronic toxicity:

K : List of the carcinogenic substances and processes – the Netherlands 2002

Health and Safety Recommendation

– Apply the usual industrial hygiene

Last Updated: 9 February 2012