Code	Description	Size	Colour
60080	Soudal Silirub Industrial Silicone	300 ml	Clear
19324	Soudal Silirub Industrial Silicone	300 ml	Grey

Recommended use:		Sealant
HSNO group standard:		HSR002670
UN number, shipping name and packaging group:		Not Subject
Supplier contact details:	Soudal Ltd	Freephone: 0800 701080
	14 Avalon Drive	Phone: (07) 847 5540
	Nawton	Fax: (07) 847 0324
	Hamilton 3200	Email: info@soudal.co.nz
	New Zealand	Website: www.soudal.co.nz

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

2. Hazards Identification

2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	Hazard statements	
6.4A	H319	Causes eye irritation
6.5B	H317	May cause an allergic skin reaction
6.7B	H351	Suspected of causing cancer
6.9	H336	Vapours may cause dizziness or drowsiness
9.4A	H441	Very toxic to terrestrial invertebrates

2.2 Symbols:

2.3 Signal Word:

WARNING

2.4 Precautionary Statements:

P103 Read label before use.
P102 Keep out of reach of children.
P202 Ensure all safety directions are read and understood before use
P260 Do not breathe fumes/ mists/ vapours/ dusts
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection and respiratory protection

P405 Store locked up
P273 Avoid release to the environment

3. Composition/Information on Ingredients

3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
Siloxanes and Silicones, di-Me, hydroxyl terminated	70131-67-8	Eye Effects Category 2; Terrestrial Invertebrate Toxin Category 1	50 – 60
Siloxanes and Silicones, di-Me	63148-62-9	Terrestrial Invertebrate Toxin Category 1	10 – 20
Naphtha (petroleum) hydrotreated light	Proprietary	STOT-SE (Narcosis) Category 3; STOT-SE (Aspiration) Category 1	10 – 20
Methyltri(methylethylketoxime)silane	22984-54-9	Flammable Liquid Category 3; Skin Sensitiser Category 1; STOT-SE (Narcosis) Category 3	1 – 10
vinyltris(methylethylketoxime)silane	2224-33-1	Flammable Liquid Category 4; Skin Sensitiser Category 1	< 1
Ingredients determined to be non hazardous			10 – 20

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

4. First Aid Measures

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4.1 Skin contact:
Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

4.2 Eye contact:
Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

4.3 Inhalation:
If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

4.4 Ingestion:
Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

4.5 General advice and advice for physicians:
Treat symptomatically.

5. Fire-Fighting Measures

5.1 Fire/ Explosion Hazard
High temperature decomposition products include silicon dioxide, small amounts of formaldehyde, formic acid, acetic acid and traces of silicon polymers.

5.2 Extinguishing media:
Foam, Carbon Dioxide, Dry Powder, water fog

5.3 Advice for fire-fighters:
Alert Fire Brigade and tell them location and nature of hazard.

6. Accidental Release Measures

6.1 Personal precautions:
Clear area of personnel and move upwind, avoid breathing vapour.

6.2 Environmental precautions:
Dam up the material spill. Use appropriate containment to avoid environmental contamination. Prevent entry to waterways.

6.3 Methods for cleaning up:
Collect the spill only if it is in a dry state. Carefully collect the spill/leftovers. Clean contaminated surfaces with a soap solution. Take collected spill to
manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Disposal:
Collect treated spillage. Contact local and regional authorities for further directions.

7. Handling and Storage

7.1 Handling:
Avoid breathing of or contact with material. Use only in well ventilated areas. Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact. Wash thoroughly after handling. Keep away from heat sources.

7.2 Storage:
Store in a cool, dry, well ventilated place and out of direct sunlight. Keep away from heat, sparks, open flames and any other sources of ignition. Static electricity must be avoided. Store away from any incompatible materials as defined in Section 10 of this SDS. Keep containers closed when not in use. Check regularly for leaks

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL

The 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.

8.2 Engineering Controls:
Use spark/explosion proof appliances and lighting system. Keep away from naked flames and heat. Keep away from ignition sources and sparks. Measure concentration of the product in the air regularly. This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.
Eyewash unit

8.3 Exposure controls:

Control	Protective measure
Eye	Wear safety glasses with side shields or goggles when handling this material. [AS 2919] 
Respiratory	Type A-P filter of sufficient capacity 

Skin	Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn. [AS 2161] Wear protective clothing. 

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Paste
Odour	Characteristic
pH	No data.
Vapour pressure	No data.
Viscosity	Paste
Boiling Point	No data.
Volatile materials	
Freezing/melting point	No data.
Water Solubility	Immiscible
Specific gravity/density	1.20 g/ml
Flash point	No data.
Auto-ignition temperature	No data.
Upper and lower flammability limits	No data.
Corrosiveness	No data.

10. Stability and Reactivity

10.1 Stability:
Stable under normal conditions.

10.2 Conditions to avoid:
Avoid heat, sparks, flames and any other sources of ignition.

10.3 Incompatible materials to avoid:
Avoid oxidising agents (nitrates, oxidising acids, chlorine bleaches, pool chlorine etc) as ignition may result

10.4 Hazardous decomposition products:
Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. Toxicological Information

11.1 Summary of Toxicity

11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	High molecular weight material; on single acute exposure would be expected to pass through gastrointestinal tract with little change / absorption.
Dermal	Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.
Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).
Eye	There is some evidence to suggest that this material can cause eye irritation and damage in some persons.

11.3 Chronic toxicity:

Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.

Test	Data and symptoms of exposure
Sensitisation	Final product is considered a sensitiser and contains ingredients classified as either respiratory or skin sensitisers
Mutagenicity	Final product is not considered a mutagen and contains no ingredients that have been classified as a mutagen
Carcinogenicity	Final product is considered carcinogenic, and contains an ingredient that have been classified as carcinogenic
Reproductive/developmental	Final product is not considered a reproductive/developmental toxicant and contains no ingredients that have been classified as reproductive/ development toxins
STOT	Limited evidence suggests that repeated or long term occupational exposure may product health effects involving organs or biochemical systems, including narcosis

12. Ecological Information

12.1 Ecological properties

Ecology	Ecological data
Aquatic toxicity acute	No data
Aquatic toxicity chronic	No data.
Terrestrial vertebrate	No data.
Terrestrial invertebrate	Very Toxic.
Bioaccumulation	No data.
Mobility	No data.
Degradability	No data.

13. Disposal Considerations

13.1 Disposal methods:

This product may be disposed of in a landfill provided this product will be kept separated from contact with explosives, oxidisers and ignition sources at all times. This product may be disposed of by burning in an incineration facility. This product may be disposed of by purging. Further details can be provided by local and regional authorities.

13.2 Disposal restrictions:

The product must not be disposed of in a landfill or purged within range of legally located persons and places, where upon ignition, would expose them to more blast pressure and heat radiation that described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Burning must be managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of this product by landfill, burning or purging must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Further details can be provided by local and regional authorities.

13.3 Special precautions for disposal:

No data.

14. Transport Information

NOT REGULATED

15. Regulatory Information

15.1 HSNO approval number and Group Standard:

HSR002670 Surface Coatings and Colourants (subsidiary hazard)

15.2 Group Standard conditions and other regulations:

Condition	Requirement
SDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Emergency plan	Required when present in quantities 10,000 L.
Approved handler	Not required
Tracking	Not applicable
Bunding and secondary containment	Not applicable
Signage	Required when present in quantities 1,000 L.
Test certificate	Not required
Flammable zone	Not required
Fire extinguisher	Not required

National Inventories

Australia	AICS	Yes
Canada	DSL	Yes
China	IESCS	Yes
Europe	EINECS	Yes
Japan	ENCS	Yes
Korea	KECI	Yes
New Zealand	NZIoC	Yes
Phillipines	PICCS	Yes
USA	TSCA	Yes

16. Other Information

16.1 Date of preparation or revision:

Revised 28 July 2016

16.2 Abbreviations:

Abbreviation	Description
CAS number	Number assigned to chemical in the Chemical Abstracts Service registry
HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)
ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC50	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD50	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet
STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

16.3 References

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID).www.epa.govt.nz.

Workplace exposure limits derived from Workplace Exposure Standards and Biological Exposure Indices 7th Edition. www.mbie.govt.nz.

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.

This SDS was prepared by Collievale Enterprises in accord with the EPA "Code of Practice for the Preparation of Safety Data Sheets" [HSNOCOP 8-1 (2006)]
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End of MSDS