

SiliThix Silicone Thixotropic Thickening Agent

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : SiliThix Silicone Thixotropic Thickening Agent
SKU : SC-ST-50G

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Liquid silicone thixotropic agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier : SiliCreate
9 Pacific Place, Kilsyth, Victoria, 3136, Australia

1.4 Emergency telephone number

Country	Institution	Phone	Availability
Australia	NSW Poisons Information Centre	13 11 26	24/7
—	Manufacturer emergency line	+61 493 070 980	24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

This material does not meet the criteria for classification under Regulation (EC) No 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : None
Signal word : None
Hazard statements : None
Precautionary statements : None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Components / Chemical name	CAS-No.	EC-No. / Index-No.	Classification	Concentration (% w/w)
Fumed Silica	112945-52-5	N/A	Not classified	10–20
Dimethyl Silicone Fluid	63148-62-9	N/A	Not classified	40–50
Silicone Rubber Compound	Variable	N/A	Not classified	30–40
Titanium Dioxide	13463-67-7		Not classified. May be classified as a carcinogen by inhalation.	1–5
Hexamethyldisilazane	999-97-3		Not classified	1–2

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : The material is not expected to present any special hazard.
- If inhaled : Remove victim to fresh area.
- In case of skin contact : Wash with water and soap.
- In case of eye contact : Flush eyes with water.
- If swallowed : Do not induce vomiting. Get medical attention.

4.2 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media :

- Carbon dioxide (CO₂)
- Water spray
- Dry powder
- Chemical foam

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Hazardous decomposition products formed under fire conditions. Keep containers cool by spraying with water if exposed to fire.

5.3 Advice for fire fighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : In case of fire do not inhale smoke, conflagration gases and steams. Fire residues and contaminated fire

extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil. Pay attention to local or official regulations.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : For all waste handling must refer to United Nations, National and Local Regulations for disposal. Good housekeeping must be maintained at all times. Dispose of in accordance with local regulations.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: Provide sufficient air exchange and/or exhaust in work rooms.
Advice on protection against fire and explosion	: No special protective measures against fire required.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Always store in containers which correspond to the original ones. Keep container tightly closed.
Advice on common storage	: No special precautions required.
Storage class (TRGS 510)	: Non Combustible Solids

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not specified.

8.2 Exposure controls

Engineering measures : Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Eye protection	: Wear safety goggles or eye protection combined with respiratory protection.
Skin and body protection	: In the working environment, wear suitable protective clothing to minimise contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.
Respiratory protection	: Wear suitable protective mask in order to reduce the respiratory system exposure. In case of a large number of leakages, wear chemical protective clothing, including self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

Appearance	: Liquid
Colour	: Clear
Odour	: Slightly odorous
pH	: Not determined
Water solubility	: Not soluble
Melting point/range	: Not determined
Boiling point/boiling range	: Not determined
Flash point	: > 100 °C
Evaporation rate	: Not determined
Self-ignition	: Not auto-flammable
Vapour pressure	: Not determined
Relative vapour density	: Not determined
Density	: Not determined
Bulk density	: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable at normal temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous reactions : Not expected.

10.4 Conditions to avoid

Conditions to avoid : Avoid contact with heat, flame, spark and other igniters.

10.5 Incompatible materials

Materials to avoid : Strong acids, strong bases, strong oxidizing agents.

10.6 Hazardous decomposition products

The following combustion products may be generated: Carbon oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Titanium dioxide : LD50 Rat (oral) > 20,000 mg/kg; LD50 Rabbits (dermal) > 10,000 mg/kg; LC50 Rat (inhalation: dusts and mists) 6.82 mg/L.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Germ cell mutagenicity – Assessment: Based on available data, the classification criteria are not met.

Carcinogenicity

Carcinogenicity – Assessment: Based on available data, the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity – Assessment: Based on available data, the classification criteria are not met.

STOT – single exposure

Based on available data, the classification criteria are not met.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity	: No data is available on the product itself.
12.2 Biodegradability	: No data is available on the product itself.
12.3 Bioaccumulative potential	: No data is available on the product itself.
12.4 Mobility in soil	: No data is available on the product itself.

12.5 Results of PBT and vPvB assessment	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	: The product does not increase the AOX-value of the waste water. According to our knowledge, the product does not contain heavy metals and other compounds of EC directive 2000/60 EC.

SECTION 13: Disposal considerations

Product	: Dispose of in accordance with local regulations.
Contaminated packaging	: Dispose of in accordance with local regulations.

SECTION 14: Transport information

14.1 UN number	: Not classified
14.2 UN proper shipping name	: Not classified
14.3 Transport hazard class(es)	: Not classified
14.4 Packing group	: Not classified
14.5 Environmental hazards	: Not classified
14.6 Special precautions for user	: Remarks: see chapter 6 – 8.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	: Remarks: Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
TA-Luft (Ger.)	: Not applicable
Water Hazard Class (Ger.)	: Not applicable
Other regulations	: Currently no information available.
Chemical safety assessment	: Not required.

SECTION 16: Other 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 a 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.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.