

SiliCreate TC40 Silicone Rubber | Part A

Version: 4 Revision Date: 02.01.2025 Date of Issue: 10.09.2024

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

1.1 Product identifier

Trade name SiliCreate TC40 Condensation Cure Silicone Rubber
SKU SC-TC-40

1.2 Relevant identified uses

Use Silicone Rubber for Moulding and Casting

1.3 Details of the supplier

Manufacturer/Supplier SiliCreate
9 Pacific Place, Kilsyth, Victoria, 3136, Australia
Tel: +61 493 070 980

1.4 Emergency telephone number

Country	Institution	Phone	Availability
Australia	NSW Poisons Information Centre	13 11 26	24/7
Bulgaria	National Toxicology Information Centre, Hospital "N. I. Pirogov"	+359 2 9154 233	24/7
Germany	Giftinformationszentrum Mainz (GIZ Mainz)	+49 6131 19240	24/7
Greece	Poisons Information Centre, Children's Hospital "P. & A. Kyriakou"	+30 210 779 3777	24/7
Hungary	Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)	+36 80 201 199	24/7
Italy	Centro Antiveleni – CNIT, Pavia	+39 0382 24444	24/7
Romania	Toxicology Information Center, Emergency Clinical Hospital "Floreasca"	+40 21 599 2300	24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

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 persistent, bioaccumulative or toxic (PBT), nor very persistent and very bioaccumulative (vPvB), at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Chemical name	CAS-No.	EC-No.	Classification	Concentration (% w/w)
Dimethylsiloxane polymer, vinyl-terminated	68083-19-2	–	Not classified	40–50
Silica amorphous	7631-86-9	–	Not classified	35–45
Polydimethylsiloxane	63148-62-9	–	Not classified	5–10

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 air. Seek medical attention.

Skin contact Wash with water and soap.

Eye contact Flush eyes with water. Seek medical attention.

If swallowed Do not induce vomiting. Seek medical attention.

4.2 Immediate medical attention

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards

Hazardous decomposition products may form under fire conditions. Keep containers cool with water spray if exposed to fire.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Do not inhale combustion gases.

Dispose of residues and contaminated water according to local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear protective equipment. Ensure adequate ventilation. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow material to enter drains, waterways, or soil.

6.3 Methods for cleaning up

Refer to UN, national and local disposal regulations. Maintain good housekeeping. Dispose according to local regulations.

6.4 Reference to other sections

See sections 7 and 8 for protective measures.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling	Provide adequate air exchange or exhaust ventilation in the work area.
Fire/explosion	No special protective measures required.
Hygiene	Follow good industrial hygiene and safety practice.

7.2 Storage conditions

Storage	Store only in original containers. Keep container tightly closed.
Common storage	No special precautions needed.
Storage class	Non-combustible solids (TRGS 510)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No specific limits listed.

8.2 Exposure controls

Engineering controls: Keep away from food, beverages and feed. Wash hands regularly.

Eye protection	Safety goggles or combined eye-respiratory protection.
Skin protection	Wear suitable protective clothing.
Respiratory protection	Wear protective mask to reduce exposure. For significant exposure: chemical protective clothing with SCBA.

SECTION 9: Physical and chemical properties

Appearance	Viscous liquid
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Colour	White
Odour	Not determined
pH	Not determined
Water solubility	Not soluble
Melting point	Not determined
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

SECTION 10: Stability and reactivity

Reactivity: No special hazards.

Chemical stability: Stable under normal conditions.

Hazardous reactions: Not expected.

Conditions to avoid: Heat, flame, sparks and igniters.

Incompatible materials: Incompatible materials.

Decomposition products: Carbon oxides.

SECTION 11: Toxicological information

Acute toxicity

Dimethylsiloxane polymer (vinyl-terminated): LD50 (Rat, oral) > 15840 mg/kg; LD50 (Rabbit, dermal) > 15840 mg/kg.

Silica amorphous: LD50 (Rat, oral) >1000 mg/kg; LD50 (Rabbit, dermal) >2000 mg/kg; LC50 (Rat, inhalation, dust/mist) 0.139 mg/L.

Polydimethylsiloxane: LD50 (Rat, oral) >35000 mg/kg; LD50 (Rabbit, dermal) >3000 mg/kg.

Other toxicological data

Classification criteria for all toxicity categories (skin/eye irritation, mutagenicity, carcinogenicity, reproductive toxicity, STOT, aspiration) are not met.

SECTION 12: Ecological information

No data available for the mixture.

- Not biodegradable (no data)
- No bioaccumulation data
- No mobility data

- Not PBT/vPvB

Does not increase AOX value of wastewater. Does not contain heavy metals per EC 2000/60.

SECTION 13: Disposal considerations

Product	Dispose of according to local regulations.
Packaging	Dispose of according to local regulations.

SECTION 14: Transport information

UN number	Not classified
Proper shipping name	Not classified
Transport hazard class	Not classified
Packing group	Not classified
Environmental hazards	Not classified
Special precautions	See sections 6–8
Bulk transport	Not applicable

SECTION 15: Regulatory information

TA-Luft (Ger.)	Not applicable
Water Hazard Class	Not applicable
Other regulations	No information available
Chemical safety assessment	Not required

SECTION 16: Other information

The information provided in this SDS is correct to the best of our knowledge at the date of publication and is intended as guidance for safe handling, storage, processing, transportation and disposal. It does not constitute a warranty or specification.

SiliCreate TC40 Silicone Rubber | Part B

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

1.1 Product identifier

Trade name SiliCreate TC40 Condensation Cure Silicone Rubber
SKU SC-TC-40

1.2 Relevant identified uses

Use Mould making and casting

1.3 Details of the supplier

Manufacturer/Supplier SiliCreate
9 Pacific Place, Kilsyth, Victoria, Australia
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

Hazard Statements H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs (nervous system) through prolonged or repeated exposure (oral).

Pictograms	GHS02: Flame GHS07: Exclamation mark GHS08: Health hazard
Signal word	Warning
Precautionary statements	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241: Use explosion-proof electrical/ventilating/lighting equipment. P260: Do not breathe dust/fumes/gas/mist/vapours/spray. P280: Wear protective gloves, clothing, eye/face protection. P303+P361+P353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3 Other hazards

In use, may form flammable / explosive vapour–air mixture.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Tetraethyl silicate	78-10-4	Flam. Liq. 3 (H226); Acute Tox. 4 (H332); Eye Irrit. 2 (H319); STOT SE 3 (H335)	60–70
Dibutyltin dilaurate	77-58-7	Some compounds in this group may be carcinogenic or sensitisers. Check individual SDS for classification details.	30–40

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Not expected to present any special hazard.
Inhalation	Move victim to fresh air. Seek medical attention.
Skin contact	Wash with water and soap.
Eye contact	Flush with water. Seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention.

4.2 Immediate medical attention

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Foam
- Dry chemical powder
- BCF (where permitted)
- Carbon dioxide (CO₂)

5.2 Special hazards

Avoid contamination with oxidising agents (nitrates, oxidising acids, chlorine bleach, pool chlorine). Ignition may result.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Do not inhale smoke or combustion gases.

Dispose of contaminated water and residues according to local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear protective equipment. Ensure adequate ventilation. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow product to enter drains, waterways, or soil. Follow local regulations.

6.3 Methods for cleaning up

Follow UN, national, and local disposal regulations. Maintain good housekeeping at all times.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide sufficient air exchange or exhaust ventilation. No special measures required for fire protection. Follow good industrial hygiene practice.

7.2 Conditions for safe storage

Store in original containers. Keep container tightly closed. No special precautions required. Storage class: Non-combustible solids.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Source	Ingredient	Name	TWA	STEL	Notes
Australia ES	Tetraethyl silicate	Ethyl silicate	10 ppm / 85 mg/m ³	Not available	—
Australia ES	Dibutyltin dilaurate	Tin, organic compounds (as Sn)	0.1 mg/m ³	0.2 mg/m ³	Some compounds may be carcinogenic

Source	Ingredient	Name	TWA	STEL	Notes
					or sensitisers

8.2 Exposure controls

Engineering measures: Keep away from food. Remove contaminated clothing. Wash hands regularly.

Eye protection	Safety goggles or combined eye–respiratory protection.
Skin protection	Wear protective clothing appropriate to exposure.
Respiratory protection	If exposure exceeds limits, use Type A-P filter (AS/NZS 1716 & 1715, EN 143/149, ANSI Z88 or equivalent).

SECTION 9: Physical and chemical properties

Appearance	Viscous liquid
Colour	Dull yellow liquid
Odour	Aromatic
pH	Not determined
Water solubility	Slowly hydrolyses
Melting point	Not determined
Boiling point	>150°C
Flash point	>50°C
Self-ignition	Not auto-flammable
Vapour pressure	Not determined

SECTION 10: Stability and reactivity

Reactivity: No special hazards.

Chemical stability: Stable at normal temperature and pressure.

Hazardous reactions: None expected.

Conditions to avoid: Heat, flames, sparks.

Incompatible materials: Oxidising agents.

Decomposition products: Carbon oxides.

SECTION 11: Toxicological information

Acute toxicity

Tetraethyl silicate: LD50 (Rat, oral): >2000 mg/kg LD50 (Rabbit, dermal): >5878 mg/kg

Dibutyltin dilaurate: LD50 (Rat, oral): >175 mg/kg LD50 (Rabbit, dermal): >2000 mg/kg

Other toxicological data

Classification criteria for all categories (skin/eye irritation, mutagenicity, carcinogenicity, reproductive toxicity, STOT, aspiration hazard) are not met.

SECTION 12: Ecological information

No data available for the mixture itself.

- No biodegradation data
- No bioaccumulation data
- No soil mobility data
- Not PBT/vPvB

Does not increase AOX values. Contains no heavy metals per EC 2000/60.

SECTION 13: Disposal considerations

Product	Dispose of in accordance with local regulations.
Packaging	Dispose of in accordance with local regulations.

SECTION 14: Transport information

UN number	Not classified
Proper shipping name	Not classified
Transport hazard class	Not classified
Packing group	Not classified
Environmental hazards	Not classified
Special precautions	See Sections 6–8
Bulk transport	Not classified

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TA-Luft (Ger.)	Not applicable
Water Hazard Class	Not applicable
Other regulations	No information available
Chemical safety assessment	Not required

SECTION 16: Other information

Information is provided to the best of our knowledge at the date of publication. This SDS is intended as guidance for safe handling, storage, processing, transport, and disposal. It is not a product specification or warranty.