

SiliCreate TC20 Silicone Rubber | Part A

Version 4 Revision Date: 06.10.2022 Date of issue: 18.06.2022

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

1.1 Product identifier

Trade name : SiliCreate TC20 Condensation Cure Silicone Rubber
SKU : SC-TC-20

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

Use of the substance/mixture : Silicone Rubber for Moulding and Casting

1.3 Details of the supplier of the safety data sheet

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

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)
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 area. Seek medical attention.
In case of skin contact : Wash with water and soap.
In case of eye contact : Flush eyes with water. Seek medical attention.
If swallowed : Do not induce vomiting. Seek 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	: Working environment required, 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	: Viscous liquid
Colour	: White
Odour	: Not determined
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

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 : Incompatible materials.

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

Dimethylsiloxane polymer, vinyl-terminated: LD50 Rat (oral) > 15,840 mg/kg; LD50 Rabbit (dermal) > 15,840 mg/kg.

Silica amorphous: LD50 Rat (oral) > 1,000 mg/kg; LD50 Rabbit (dermal) > 2,000 mg/kg; LC50 Rat (inhalation, dusts and mists) 0.139 mg/L.

Polydimethylsiloxane: LD50 Rat (oral) > 35,000 mg/kg; LD50 Rabbit (dermal) > 3,000 mg/kg.

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

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

Carcinogenicity

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

Reproductive toxicity

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.

SiliCreate TC20 Silicone Rubber | Part B

Version: 4 Revision Date: 06.10.2022 Date of Issue: 18.06.2022

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

1.1 Product identifier

Trade name SiliCreate TC20 Condensation Cure Silicone Rubber
SKU SC-TC-20

1.2 Relevant identified uses

Use Mould making and casting

1.3 Details of the supplier

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

1.4 Emergency telephone number

Country	Institution	Phone	Availability
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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 meets 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, sparks, open flames, and hot surfaces — No smoking.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P260: Do not breathe vapours.

P280: Wear protective gloves, clothing, and eye/face protection.

P303+P361+P353: IF ON SKIN (or hair): Remove contaminated clothing.

Rinse skin with water.

P304+P340: IF INHALED: Remove 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

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 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 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 bleaches), as ignition may result.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

Do not inhale combustion gases. Dispose of contaminated water according to regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent entry into drains, water courses, or soil.

6.3 Methods for cleaning up

Follow UN, National, and Local waste disposal regulations. Maintain good housekeeping.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure sufficient ventilation. No special measures against fire required. Follow good industrial hygiene.

7.2 Storage conditions

Store in original containers. Keep tightly closed. Classified as Non-Combustible Solids.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	Exposure Limit	Notes
Tetraethyl silicate	TWA: 10 ppm / 85 mg/m ³	Australia Exposure Standards
Dibutyltin dilaurate	Tin compounds (as Sn): TWA 0.1 mg/m ³ ; STEL 0.2 mg/m ³	Some compounds classified as carcinogens or sensitisers

8.2 Exposure controls

Engineering controls: Keep away from food; wash hands regularly.

Eye protection

Wear safety goggles.

Skin protection	Wear protective clothing.
Respiratory protection	Use Type A-P filter if exposure exceeds safe limits (AS/NZS 1716, EN 143:2000, EN 149:2001).

SECTION 9: Physical and chemical properties

Appearance	Viscous liquid
Colour	Dull yellow
Odour	Aromatic
pH	Not determined
Water solubility	Slowly hydrolyses
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 temperatures.

Hazardous reactions: Not expected.

Conditions to avoid: Heat, sparks, flames.

Incompatible materials: Oxidisers.

Decomposition products: Carbon oxides.

SECTION 11: Toxicological information

Tetraethyl silicate: Oral LD50 (rat): >2000 mg/kg

Dibutyltin dilaurate: Oral LD50 (rat): >175 mg/kg

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

SECTION 12: Ecological information

No data available for the mixture itself.

- Not biodegradable
- No bioaccumulation data
- Not PBT/vPvB

SECTION 13: Disposal considerations

Dispose of material and packaging according to local regulations.

SECTION 14: Transport information

UN number	Not classified
Proper shipping name	Not classified
Hazard class	Not classified
Packing group	Not classified
Environmental hazards	Not classified
Bulk transport	Not applicable

SECTION 15: Regulatory information

TA-Luft (Germany): Not applicable

Water Hazard Class (Ger.): Not applicable

Other regulations: No information available

SECTION 16: Other information

Information is correct to the best of our knowledge at publication date. This SDS provides guidance for safe handling and does not replace product specifications.