

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
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 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.