

## Material Safety Data Sheet

**Product Name : Silkon Supercast PC100**

**MSDS No. : MSDS/SAIPL/19**

**Version No. : 01**

**Effective Date: 01/06/2020**

**Ref. SOP: SOP/QA/020/04**

**Total Page: 8**

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

**Product identifier**

**Product name** SUPERCAST PC100

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

**Identified uses** POLYCARBOXYLATE SUPERPLASTICISER

**Details of the supplier of the safety data sheet**

**Supplier** **Silkon Additives India Pvt. Ltd.**

Address : 622-P, Sector-38, Gurugram HR-122001

Tel.No. : 18001236299 / 9717887038

**Emergencytelephone** +91 80 2355 1500/ 4252 1900

### SECTION 2: Hazards identification

**Classification of the substance or mixture**

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Carc. 1B - H350

**Environmental hazards** Not Classified

**Classification (67/548/EEC or - 1999/45/EC)**

**Label elements**

**Hazard pictograms**



**Signal word** Danger

**Hazard statements** H350 May cause cancer.

**Precautionary statements** P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/ container in accordance with local regulations.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Contains** DIETHANOLAMINE, FORMALDEHYDE

**Other hazards**

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This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>DIETHANOLAMINE</b>			<b>&lt;1%</b>
CAS number: 111-42-2	EC number: 203-868-0	REACH registration number: 01-2119488930-28-XXXX	

#### Classification

Acute Tox. 4 - H302  
Skin Irrit. 2 - H315  
Eye Dam. 1 - H318  
STOT RE 2 - H373  
Aquatic Chronic 3 - H412

<b>FORMALDEHYDE</b>			<b>&lt;1%</b>
CAS number: 50-00-0	EC number: 200-001-8	REACH registration number: 01-2119488953-20	

#### Classification

Acute Tox. 3 - H301  
Acute Tox. 3 - H311  
Acute Tox. 3 - H331  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Skin Sens. 1 - H317  
Muta. 2 - H341 Carc.  
1B - H350 STOT SE  
3 - H335

<b>METHANOL</b>			<b>&lt;1%</b>
CAS number: 67-56-1	EC number: 200-659-6		

#### Classification

Flam. Liq. 2 - H225  
Acute Tox. 3 - H301  
Acute Tox. 3 - H311  
Acute Tox. 3 - H331  
Carc. 2 - H351  
STOT SE 1 - H370

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	Rinse nose and mouth with water.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting.

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<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**Most important symptoms and effects, both acute and delayed**

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause coughing and difficulties in breathing.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing.

**Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	Treat symptomatically.
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**SECTION 5: Firefighting measures**

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

**Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	No specific hazard known.
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

**Advice for firefighters**

<b>Protective actions during firefighting</b>	Containers close to fire should be removed or cooled with water. Fight fire from safe distance or protected location.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear suitable protective clothing, gloves and eye/face protection. <b><u>6.2.</u></b>
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**Environmental precautions**

<b>Environmental precautions</b>	Prevent entry into drains, sewers and water courses.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.
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**6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8.
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**SECTION 7: Handling and storage**

**Precautions for safe handling**

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**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

**Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Chemical storage.

**Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

**Control parameters**

**Occupational exposure limits**

**DIETHANOLAMINE**

Long-term exposure limit (8-hour TWA): TWA 0,46 ppm 2 mg/m<sup>3</sup>

**METHANOL**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m<sup>3</sup>(Sk)  
Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m<sup>3</sup>(Sk) WEL  
= Workplace Exposure Limit

**DIETHANOLAMINE (CAS: 111-42-2)**

**DNEL** Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup> Workers  
- Dermal; Long terms systemic effects: 0.13 mg/kg/day

**PNEC** - Fresh water; 0.0022 mg/l  
- marine water; 0.00022 mg/l  
- STP; 100 mg/l

**Exposure controls**

**Protective equipment**



**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

**Eye/face protection**

Chemical splash goggles and face shield.

**Hand protection**

Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves.  
Frequent change is advisable.

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

**Hygiene measures**

When using do not eat, drink or smoke.

**Respiratory protection**

Gas filter, type A2.

### SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

**Appearance** Liquid.

**Odour** Odourless.

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<b>Odour threshold</b>	Not determined.
<b>Melting point</b>	0 □
<b>Initial boiling point and range</b>	100 □
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	2.3 kPa(water)
<b>Relative density</b>	1.040 - 1.080
<b>Solubility(ies)</b>	Soluble in water
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising. <b>9.2.</b>

### Other information

**Volatile organic compound** This product contains a maximum VOC content of 5g/l.

## SECTION 10: Stability and reactivity

### Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials: Isocyanates. Epoxides.

### Chemical stability

**Stability** Hazardous polymerisation will not occur.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 25,000.0

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 202,702.7

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 472,972.97

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<b>Inhalation</b>	May cause coughing and difficulties in breathing.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing.
<b>Target organs</b>	Skin Eyes

### Toxicological information on ingredients.

#### DIETHANOLAMINE

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LC50 ~1600 mg/kg, Oral, Rat

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** Expected to be not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### UN number

Not applicable.

#### UN proper shipping name

Not applicable.

**Transport hazard class(es)** No transport warning sign required.

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**Packing group**

Not applicable.

**Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

The Manufacture, storage and import of hazardous chemicals rules 1989.

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance**

Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

**General information**

For professional use only. Only trained personnel should use this material.

**Revision comments**

This is the first issue.

**Revision date**

24/01/2020

**Revision**

1

**Supersedes date**

19/09/2015

**SDS number**

23168

## SUPERCAST PC100

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H351 Suspected of causing cancer.  
H370 Causes damage to organs .  
H373 May cause damage to organs (Blood, Kidneys, Liver) through prolonged or repeated exposure if swallowed.  
H412 Harmful to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.