

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TEKOSIL

Duplicating silicone

SILCONIC GbmH & Co. KG  
Erlenweg 3/1  
D-89173 Lonsee

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

#### 1.1 Product identifier:

**Commercial product name:** TEKOSIL OCN Component A

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

**Use of substance/preparation:** Silicone for the manufacturing of duplicating models

#### 1.3 Manufacturer/distributor:

SILCONIC GmbH & Co. KG  
Erlenweg 3/1  
D-89173 Lonsee  
E-Mail: [info@silconic.de](mailto:info@silconic.de)  
Internet: [www.silconic.de](http://www.silconic.de)

#### 1.4 Emergency telephone number:

Department of work safety, Mrs. Fischer  
Phone: +49 7336 496970  
Fax: +49 7336 4969799

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture:

Not a dangerous substance according to GHS.

#### 2.2 Label elements:

**Labelling according to Regulation (EC) no 1272/2008 (CLP)**

**Hazard pictograms(s):** No available.

**Signal word:** No available.

**Hazard statement(s):** No available.

#### 2.3 Precautionary statement(s):

**Prevention:** No available

**Response:** No available

**Disposal:** No available

**Other hazards:** No information available.

### Section 3: Composition/information on ingredients

#### 3.1. Mixtures:

**Chemical characteristics:** Mixture.

Chemical Composition	CAS No.	EC#	Weight (%)
Poly(Vinylmethoxysiloxane)	68037-87-6	---	50~70
Silica	14464-46-1	238-878-4	20~30
Poly(Dimethylsiloxane)	9006-65-9	---	0~30
Platinum Based Catalyst Trace	68478-92-2	270-844-44	≤0.01

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### Section 4: First aid measures

#### 4.1 Description of first aid measures:

- General information:** Normal use does not require special measures, industrial production in the long term, refer to the following:
- After contact with the eyes:** Rinse immediately with plenty of water.  
Seek medical advice in case of continuous irritation.
- After contact with the skin:** Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).
- After inhalation:** Material cannot be inhaled under normal conditions.
- After swallowing:** Give several small portions of water to drink.  
Do not induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed:

Any relevant information can be found in other parts of this section.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Further toxicology information in section 11 must be observed.

### Section 5: Firefighting measures

#### 5.1 Extinguishing media:

**Suitable extinguishing media:**

Use water spray, dry chemical, carbon dioxide.

**Extinguishing media which must not be used for safety reasons:**

Water jet.

#### 5.2 Special hazards arising from the substance or mixture:

Silicon oxide and carbon dioxide.

#### 5.3 Advice for firefighters:

**Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

### Section 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

#### 6.2 Environmental precautions:

Do not let product enter drains.

#### 6.3 Methods and material for containment and cleaning up:

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

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#### 6.4 Reference to other sections:

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8), for information and safe handling (section 7) and on disposal (section 13).

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling:

##### **Precautions for safe handling:**

Keep container tightly closed in a dry and well-ventilated place.  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

##### **Precautions against fire and explosion:**

The product is non-flammable.

#### 7.2 Conditions for safe storage, including any incompatibilities:

##### **Conditions for storage rooms and vessels:**

Keep container tightly closed in a dry and well-ventilated place.

##### **Information about storage in one common storage facility**

Hygroscopic light sensitive

##### **Further information for storage:**

Keep container tightly closed. Store in a dry and cool place.

#### 7.3. Specific end use(s):

No data available.

### Section 8: Exposure controls/personal protection

#### 8.1 Control parameters:

##### **Ingredients with limit values that require monitoring at the workplace:**

No further relevant information available.

#### 8.2 Exposure controls:

##### **Exposure in the work place limited and controlled:**

##### **General protection and hygiene measures:**

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.  
Remove all soiled and contaminated clothing immediately.  
Wash hands before breaks and at the end of work.

##### **Personal protection equipment:**

**Respiratory protection:** Use suitable respirator when high concentrations are present.

**Eye protection:** Recommendation: protective goggles.

**Hand protection:** Recommendation: Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes' use. The selection of appropriate gloves not only depends on the material, but also on other quality characteristics, and may vary depending on the manufacturer. Please observe information from your glove supplier in terms of permeability and breakthrough time.

##### **Exposure to the environment limited and controlled:**

Prevent material from entering surface waters and soil.

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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

#### General information:

Form: paste/Liquid  
Colour: green/blue  
Odour: not available

#### Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
Melting point/melting range:	not available	
Boiling point/boiling range:	not available	
Freezing point:	not available	
Flash point:	> 100.0°C (closed up)	(-)
Ignition temperature:	not available	
Flammability:	non-flammable	
Decomposition temperature:	not available	
Self-igniting:	not available	
Density:	1,12g/cm <sup>3</sup>	ISO 2811
Danger of explosion:	not available	
Explosion limits:	not available	
Oxidizing properties:	not available	
Vapour pressure:	not available	
Vapour density:	not available	
Evaporation rate:	not available	
Solubility in/Miscibility with water:	Hardly soluble in water	
n-octanol/water partition coefficient:	not available	
Viscosity dynamic:	4500mPas	Brookfield
pH-Value:	N/A	

### 9.2 Other information:

No data available.

## Section 10: Stability and reactivity

### 10.1 – 10.3: Reactivity; Chemical stability; Possibility of hazardous reactions:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

### 10.4 Conditions to avoid:

Flames, sparks, and other sources of ignition, incompatible materials.

### 10.5 Incompatible materials:

Strong oxidizing agents.

### 10.6 Hazardous decomposition products/Hazardous Polymerization:

Silicone oxide and carbon dioxide.  
N/A.

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### Section 11: Toxicological information

#### 11.1 Information on toxicological effects:

##### **Acute toxicity:**

##### **LD/LC50 Values relevant for classification:**

No further relevant information available.

##### **Primary irritant effect**

No further relevant information available.

##### **Sensitization:**

No further relevant information available.

##### **Additional toxicological information:**

##### **Toxicological, metabolism and distribution:**

No further relevant information available.

##### **Acute effects (acute toxicity, irritation and corrosivity):**

No further relevant information available.

##### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

No further relevant information available.

### Section 12: Ecological information

#### 12.1. Toxicity:

##### **Aquatic toxicity:**

No further relevant information available.

#### 12.2. Persistence and degradability:

No further relevant information available.

#### 12.3. Behaviour in environmental systems:

##### **Bioaccumulative potential:**

No further relevant information available.

#### 12.4. Mobility in soil:

No further relevant information available.

#### 12.5. Ecological effects:

##### **Additional ecological information**

##### **General notes:**

Do not allow material to be released to the environment without proper governmental permits.

#### 12.6 Other adverse effects:

No further relevant information available.

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### Section 13: Disposal considerations

#### 13.1 Waste treatment methods:

##### **Material:**

Recommendation:

Consult state, local or national regulations to ensure proper disposal.

##### **Uncleaned packaging:**

Recommendation:

Disposal must be made according to official regulations.

### Section 14: Transport information

#### 14.1. – 14.4. UN number; UN proper shipping name; Transport hazard class(es); Packing group:

##### **UN Number**

IATA, IMDG: None

##### **UN Proper shipping name:**

IATA, IMDG: None

##### **Transport hazard class(es):**

IATA, IMDG: None

##### **Packing group:**

IATA, IMDG: None

#### 14.5. Environmental hazards:

Hazardous to the environment: no

#### 14.6. Special precautions for user:

Not applicable.

### Section 15: Regulatory information

#### 15.1. This material safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Chemical Composition	CAS No.	EC#	TSCA	EINECS
Poly(Vinylmethoxysiloxane)	68037-87-6	---	Listed	Not Listed
Silica	14464-46-1	238-878-4	Listed	Listed
Poly(Dimethylsiloxane)	9006-65-9	---	Listed	Not Listed
Platinum Based Catalyst Trace	68478-925-2	270-844-4	Listed	Listed

#### 15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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#### Section 16: Other information

##### Additional information:

##### Abbreviations and acronyms

CLP: EU regulation (EC) no 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

ACGIH: American Conferences of Governmental Industrial Hygienists.

TLV: Threshold Limit Value.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

LC50: Lethal concentration, 50 percent kill.

LD50: Lethal dose, 50 percent kill.

TWA: Time Weighted Average.

TSCA: United States of Toxic Substances Control Act Section 8(b) Inventory.

EINECS: European Inventory of Existing Commercial Chemical Substances.

##### General Information:

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