

EC safety data sheet according to EC Directive  
1907/2006 (REACH)

# STENSIL ECO

Kneading silicone

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

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## Section 1: Identification of the substance or mixture and of the company

### 1.1 Product identifier: \_\_\_\_\_

Trade name: STENSIL ECO 20/30/50/60/70/85/90 (Base + Catalyst)

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

Commercial, plasticine for various applications

### 1.3 Manufacturer / Supplier: SILCONIC® GmbH & Co. KG

Erlenweg 3/1  
D-89173 Lonsee  
Email: [info@silconic.de](mailto:info@silconic.de)  
Internet: [www.silconic.de](http://www.silconic.de)

### 1.4 Emergency number: \_\_\_\_\_

Occupational Safety Department, Ms. Fischer  
Tel: +49 (0)7336 49697 – 12 (only open during office hours)  
Fax: +49 (0)7336 49697 - 99

## Section 2: Potential Hazards

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

Classification according to Regulation (EC) No. 1272/2008:

The mixture is not classified as dangerous within the meaning  
of Regulation (EC) No. 1272/2008.

### 2.2 Labeling elements: \_\_\_\_\_

Special labeling of certain mixtures: EUH210 safety data  
sheet available on request.

### 2.3 Other dangers: \_\_\_\_\_

There is no information.

## Section 3: Composition/Information on Ingredients

### 3.2. Mixtures: \_\_\_\_\_

Chemical characterization: Contains

polydimethylsiloxanes with functional groups + fillers and color pigment.  
Catalyst additionally: platinum complex compound.

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## Hazardous ingredients:

EC no.	Designation	Portion
CAS no.		
Index no.		
REACH no.		
GHS classification		
238-878-4	quartz	50 - <55%
14808-60-7		
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	STOT RE 1; H372	
232-455-8	paraffin oil	5 - <10%
8042-47-5		
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01-2119487078-27		
	Asp. Tox. 1; H304	

Wording of R-, H- and EUH-phrases: see section 16.

## Section 4: First Aid Measures

### 4.1 Description of first aid measures:

- After inhalation: Provide fresh air. Medical treatment necessary.
- After skin contact: Wash off with plenty of water. Contaminated clothing must be changed immediately. Medical treatment necessary.
- After eye contact: Immediately carefully and thoroughly with eye wash or water wash. Visit an ophthalmologist.
- After swallowing: Rinse your mouth immediately and drink plenty of water. Drink plenty of water in small sips (dilution effect). Do not induce vomiting. If you feel unwell, seek medical advice.

### 4.2 Most important acute and delayed symptoms and effects: No information is available.

### 4.3 References to immediate medical attention or special treatment:

Symptomatic treatment.

## Section 5: Fire Fighting Measures

### 5.1 Extinguishing media:

Suitable extinguishing media: Match extinguishing measures to the surroundings.

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

Non-flammable.  
Vapors may form explosive mixtures with air.

### 5.3 Special protective equipment when fighting fires: In the event of a fire, wear breathing

apparatus that is independent of ambient air.

Additional information: To protect people and to cool containers in the  
Use water spray jet in danger area.  
Collect contaminated firefighting water separately.

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Do not discharge into drains or rivers.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and in emergencies procedures to be applied:

Ensure adequate ventilation. Do not breathe gas/smoke/vapour/aerosol.  
Avoid contact with skin, eyes and clothes. Use personal protective equipment.

### 6.2 Environmental protection measures:

Do not allow to enter surface water or drains.

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

Absorb with liquid-binding material (sand, acid binder, kieselguhr, universal binder).  
Treat the collected material in accordance with the Disposal section.

### 6.4 References to other sections:

Safe handling: see section 7  
Personal protective equipment: see section 8  
Disposal: see section 13

## Section 7: Handling and Storage

### 7.1 Protective measures for safe handling: Instructions for safe handling:

If handled openly, devices with local suction must be used.  
Do not breathe gas/smoke/vapour/aerosol.

Information on fire and explosion protection: No special fire  
protection measures required.

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

Requirements for storage rooms and containers:

Keep container tightly closed. Store under lock and key. Store in a place that is only accessible to authorized persons. Ensure adequate ventilation and point extraction at critical points.

Storage instructions: Do not store together  
with acids, alkalis, alcohols, powdered metals or metal oxides (promoting the release of hydrogen).

Further information on storage conditions: Store only in  
original containers in a cool and dry place, away from food. Ensure good room ventilation.

### 7.3. Specific End Uses: For use by trained

professionals.

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## Section 8: Exposure controls/personal protection

### 8.1 Parameters to be monitored:

#### Occupational limit values (TRGS 900)

CAS no.	Designation	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	Top limit Art
8042-47-5	White mineral oil (petroleum)		5	A	4(II)

### 8.2 Exposure controls and monitoring:

Appropriate technical control devices: If handled openly, devices with local exhaust ventilation must be used.

Do not breathe smoke/gas/vapour/aerosol.

Protective and hygiene measures: Take off

contaminated, soaked clothing immediately. Create a skin protection plan and follow it!

Wash your hands and face thoroughly before breaks and at the end of work and take a shower if necessary. do not eat and drink during work.

Eye/face protection: Wear eye protection/face protection.

Hand protection:

When handling chemical agents, only chemical protection gloves with a CE mark including a four-digit test number may be worn.

Chemical protective gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances.

It is recommended that the chemical resistance of the protective gloves mentioned above for special applications be clarified with the glove manufacturer.

Protective gloves made of the following material are suitable: NBR (nitrile rubber)

Body protection:

Wear suitable protective clothing when working.

Respiratory

protection: Wear respiratory protection if ventilation is inadequate.

## Section 9: Physical and Chemical Properties

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

Shape:	paste
Color:	Base: blue, sand, pink, orange Catalyst: white, beige
Odor:	characteristic

Important information about health and environmental protection and safety:

Property:	Value:	Method:
Property: pH		
value: not determined		
Melting point: not determined		
Boiling start/range: not determined		
Flash point: >100°C		DIN 51755
Flammability (solid, gaseous): not applicable		
Upper explosion limit: not determined		
Lower explosion limit: not determined		
Ignition temperature: >400°C		DIN 51794
Decomposition temperature: >180°C		
Vapor pressure (at 20°C): <10 hPa		

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Density (at 20°C):	1.5 – 1.9 g/cm <sup>3</sup>	DIN 51757
Water solubility:	practically insoluble	
Partition coefficient:	not determined	
Viscosity, dynamic:	6000000-11000000 mPas	BROOKFIELD
Vapor density:	not determined	
Evaporation rate: 9.2 Other	not determined	
information: <u>Solids content:</u>	not determined	

### Section 10: Stability and Reactivity

#### 10.1 Reactivity: \_\_\_\_\_

If handled and stored as intended, no dangerous reactions will occur.

#### 10.2 Chemical stability: \_\_\_\_\_

The product is stable when stored at normal ambient temperatures.

#### 10.3 Possibility of dangerous reactions: \_\_\_\_\_

Reacts with: acids, alkalis, alcohols, powdered metals or metal oxides to release hydrogen.

#### 10.4 Conditions to avoid: Temperatures >

150°C.

#### 10.5 Incompatible materials: \_\_\_\_\_

There is no information.

#### 10.6 Hazardous decomposition products: \_\_\_\_\_

Hydrogen is released during thermal decomposition.

In the presence of air, small amounts of formaldehyde can be formed through oxidative degradation at temperatures above approx. 150°C.

### Section 11: Toxicological information

#### 11.1 Information on toxicological effects: \_\_\_\_\_

Acute toxicity:

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

There are no toxicological data available for the product. An LD<sub>50</sub> (oral, rat) of >5000 mg/kg was found for products of similar composition .

CAS no.	Designation	Routes of exposure	Method dose	species	source
8042-47-5	Paraffin oil	orally	LD50 >5000 mg/kg rat	>2000	OECD
		dermal	LD50 mg/kg rabbit	OECD >5 mg/l	
		inhalation (4h) steam	LC50	rat	OECD

Irritation and corrosion:

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

Sensitizing effects: Based on

available data, the classification criteria are not met.

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**Specific target organ toxicity - single exposure:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure:** Based on available data, the classification criteria are not met.

Due to the physical form (paste), a classification with H372 is not indicated. Inhalation is not possible.

"EU VO 1278/2008 Annex 1, point 1.1.1.5: "When classifying according to health risks (Part 3), the route of exposure, mechanical data and metabolic studies are important for determining the relevance of an effect in humans. Such information leaves the relevance appear doubtful for humans, a weaker classification may be justified provided that the reliability and quality of the data are confirmed. If there is scientific evidence to support this, the substance or mixture should not be classified that the mechanism of action or mode of action is not relevant for humans become. ""

**Carcinogenic, mutagenic and reproductive toxic effects:** Based on available data, the classification criteria are not met.

**Aspiration hazard:**

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

**Section 12: Environmental Information**

**12.1. Toxicity:** The product is not: Ecotoxic.

CAS no.	Designation				source
	Aquatic toxicity Method	Dose	[h]   [d]	Species	
8042-47-5	Paraffin oil				
	Acute fish toxicity	LC50 >1000 mg/lh	96	Leuciscus idus (Gold Orfe)	OECD
	Acute algae toxicity	ErC50 >100 mg/lh	72	Pseudokirchneriella	OECD
	Acute Crustacea toxicity	EC50 >100 mg/l	H 48	Daphnia magna (Big water Escaped)	

**12.2. Persistence and degradability:** The product has not been tested.

CAS no.	Designation			source
	Assessment/Method	Value	d	
8042-47-5	Paraffin oil			
	OECD 301F/ ISO 9408/EEC 92/69/V, C, 4-D	31% 28		
Not easily biodegradable (according to OECD Criteria)				

**12.3. Bioaccumulation potential:** \_\_\_\_\_ The product has not been tested.

**12.4. Mobility in the ground:** \_\_\_\_\_ The product has not been tested.

**12.5. Results of the PBT and vPvB assessment:** \_\_\_\_\_  
Not classified as PBT or vPvB.

**12.6 Other adverse effects:** No information available.

**More information:** Avoid release to the environment.

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**Section 13: Disposal considerations**

**13.1 Waste treatment procedures:** \_\_\_\_\_

Product:

Do not discharge into drains or rivers.  
Disposal according to official regulations.

Uncleaned packaging: This  
product and its container should be disposed of as hazardous waste.  
Contaminated packaging must be treated like the substance.

**Section 14: Transport Information**

**Land transport (ADR/RID):**

14.1. UN number: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.2. UN proper shipping name: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.3. Transport hazard classes: 14.4. \_\_\_\_\_

Not hazardous according to these transportation regulations.

Packaging group: \_\_\_\_\_

Not hazardous according to these transportation regulations.

**Inland waterway transport (ADN):**

14.1. UN number: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.2. UN proper shipping name: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.3. Transport hazard classes: 14.4. \_\_\_\_\_

Not hazardous according to these transportation regulations.

Packaging group: \_\_\_\_\_

Not hazardous according to these transportation regulations.

**Sea transport (IMDG):**

14.1. UN number: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.2. UN proper shipping name: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.3. Transport hazard classes: 14.4. \_\_\_\_\_

Not hazardous according to these transportation regulations.

Packaging group: \_\_\_\_\_

Not hazardous according to these transportation regulations.

**Air transport (ICAO):**

14.1. UN number: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.2. UN proper shipping name: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.3. Transport hazard classes: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.4. Packaging group: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.5. Environmental hazards: \_\_\_\_\_

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for the user: \_\_\_\_\_

Not hazardous according to these transportation regulations.

14.7. Transport in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code: \_\_\_\_\_

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Not hazardous according to these transportation regulations.

#### Section 15: Legislation

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

National regulations:

Employment restrictions: Observe employment restrictions for young people (§ 22 JArbSchG). Observe employment restrictions for expectant and nursing mothers (§§ 11 and 12 MuSchG).

Technical instructions air II: 5.2.5.II: Organic substances at  $m \geq 0.5$  kg/h: conc. 0.10 g/m<sup>3</sup> 5.91%

Portion:

Water hazard class: 1 – slightly hazardous to water  
Status: Mixing rule according to VwVwS Annex 4, No. 3

##### 15.2. Chemical safety assessment: Chemical safety assessments for substances in this Mixing was not carried out.

#### Section 16: Other Information

Wording of the H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

H372 Causes damage to organs through prolonged or repeated exposure.

EUH210 safety data sheet available upon request.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Further information:

To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of printing. The information is intended to give you guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. If the product is mixed, mixed or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

They do not represent any guarantee of the properties of the product(s) described within the meaning of the statutory warranty regulations.

The delivery specifications can be found in the respective product data sheets.

*(The data on the dangerous ingredients were taken from the most recent safety data sheet from the upstream supplier.)*