

## Safety Data Sheet acc. to OSHA HCS

Printing date 05/07/2020

Reviewed on 05/07/2020

### \* 1 Identification

- **Product identifier**
- **Trade name** **Sugru**
- **Application of the substance / the mixture** Moldable self-adhesive silicone
- **Manufacturer/Supplier:** tesa SE Tel.: +49-40-88899-101  
 Hugo-Kirchberg-Str. 1  
 D-22848 Norderstedt  
 Germany
- **Informing department:** tesa SE, Qualitätsmanagement/Umwelt/Sicherheit, Dr. Dirk Lamm  
 Dirk.Lamm@tesa.com, Tel.: 040-88899-2977  
 tesa SE, Qualitätsmanagement/Umwelt/Sicherheit, Dr. Jessica Erwin  
 Jessica.Erwin@tesa.com, Tel.: 040-88899-6954
- **Emergency telephone number:** tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt  
 Security Center Phone +49-40-88899-0  
 or +49-40-88899-9111

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture** The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** 25–50% of the mixture consists of ingredients of unknown acute toxicity
- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 0  
 Fire = 1  
 Reactivity = 0
- **HMIS ratings (scale 0-4)**

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0  
 Fire = 1  
 Reactivity = 0
- **Other hazards** The product contains no elutable organic halogens, which will increase the AOX-values of the waste water.  
 This product doesn't consist of any halogenated organic compounds (AOX), Nitrates, Heavy Metals (sigma<100 ppm) and Formaldehyde.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### \* 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Adhesive: silicone adhesive with colour pigments

<b>Dangerous components:</b>	471-34-1 calcium carbonate	<10%
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- **Additional information** For the wording of the listed hazard phrases refer to section 16.

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### 4 First-aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** No special measures required.
- **After skin contact** The product is not skin irritating.  
Rinse with warm water.
- **After swallowing** In case of persistent symptoms consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** Can be released in case of fire  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.  
Do not inhale explosion gases or combustion gases.

### \* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Collect mechanically.
- **Reference to other sections** See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.
- **Protective Action Criteria for Chemicals**

#### · PAC-1:

471-34-1	calcium carbonate	45 mg/m <sup>3</sup>
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#### · PAC-2:

471-34-1	calcium carbonate	210 mg/m <sup>3</sup>
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#### · PAC-3:

471-34-1	calcium carbonate	1,300 mg/m <sup>3</sup>
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### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

 · **Components with critical values that require monitoring at the workplace:**
**471-34-1 calcium carbonate**

PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	TLV withdrawn

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **Breathing equipment:** Not required.
- **Eye protection:** Not required.

### \* 9 Physical and chemical properties

 · **Information on basic physical and chemical properties**

 · **General Information**

 · **Appearance:**

<b>Form:</b>	Solid.
<b>Colour:</b>	According to product specification
<b>Smell:</b>	Product specific
<b>Odor threshold:</b>	Not determined.

 · **pH-value:** Not applicable.

 · **Change in condition**

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	2,230 °C (3630 °F)

 · **Flash point:** >210 °C (>410 °F)

 · **Inflammability (solid, gaseous)** Not determined.

 · **Decomposition temperature:** Not determined.

 · **Self-inflammability:** Product is not selfigniting.

 · **Danger of explosion:** Product is not explosive.

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<ul style="list-style-type: none"> <li>· <b>Critical values for explosion:</b></li> <li style="padding-left: 20px;">Lower: Not determined.</li> <li style="padding-left: 20px;">Upper: Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Steam pressure:</b> Not applicable.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Density at 20 °C (68 °F)</b> 1.11 - 1.13 g/cm<sup>3</sup> (9.26295 - 9.42985 lbs/gal)</li> <li>· <b>Relative density</b> Not determined.</li> <li>· <b>Vapor density</b> Not applicable.</li> <li>· <b>Evaporation rate</b> Not applicable.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Solubility in / Miscibility with Water:</b> Insoluble</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Partition coefficient (n-octanol/water):</b> Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Viscosity:</b></li> <li style="padding-left: 20px;">dynamic: Not applicable.</li> <li style="padding-left: 20px;">kinematic: Not applicable.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Solvent content:</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Solids content:</b> 98.46 %</li> <li>· <b>Other information</b> No further relevant information available.</li> </ul>	

### 10 Stability and reactivity

<ul style="list-style-type: none"> <li>· <b>Reactivity</b> No further relevant information available.</li> <li>· <b>Chemical stability</b></li> <li>· <b>Thermal decomposition / conditions to be avoided:</b> No decomposition if used according to specifications.</li> <li>· <b>Possibility of hazardous reactions</b> No dangerous reactions known</li> <li>· <b>Conditions to avoid</b> No further relevant information available.</li> <li>· <b>Incompatible materials:</b> No further relevant information available.</li> <li>· <b>Hazardous decomposition products:</b> No dangerous decomposition products known</li> </ul>	
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### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimate)**

Oral	LD50	11,111 mg/kg
Dermal	LD50	33,333 mg/kg

- **Primary irritant effect:**
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

13983-17-0	Wollastonite (Ca(SiO <sub>3</sub> ))	3
7631-86-9	silicon dioxide, chemically prepared	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

free of heavy metals (Pb, Cd, Hg, Cr6+)  
Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive.

· **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation** Smaller quantities can be disposed with household garbage.

· **Uncleaned packagings:** Void

**14 Transport information**

· **UN-Number**

· **DOT, ADR, IMDG, IATA** Void

· **UN proper shipping name**

· **DOT, ADR, IMDG, IATA** Void

· **Transport hazard class(es)**

· **DOT, ADR, ADN, IMDG, IATA**  
· **Class** Void

· **Packing group**

· **DOT, ADR, IMDG, IATA** Void

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· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

**\*15 Regulatory information**

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

· <b>Hazardous Air Pollutants</b>
None of the ingredients is listed.

· **Carcinogen categories**

· <b>TLV (Threshold Limit Value established by ACGIH)</b>
None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.
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· **National regulations**

· **Technical instructions (air):**

Class	Share in %
I	1.0

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· <b>TSCA</b>
65997-17-3 Fibrous glass
7631-86-9 silicon dioxide, chemically prepared
471-34-1 calcium carbonate

· **SARA Section 313**

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· **SARA section 355**

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· **Proposition 65 - Cancer**

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This product (product group) is according to the "German Chemical Law from 22.12.1998" no hazardous material. Therefore this SDS is not subject to the duty of an automatical update (§ 6.1 hazardous chemicals ordinance)

· **Department issuing data specification sheet:**

tesa SE, Quality management/environment/safety

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**· Contact:**

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**· Date of preparation / last revision**

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**· 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  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

**· \* Data compared to the previous version altered.**