

# SAFETY DATA SHEET

Revision: 19 September 2017

Version number: 1

## SECTION 1: Identification

- 1.1 Product identifier used on the label** Sugru Mouldable Glue - Family-Safe | Skin-Friendly Formula
- 1.2 Other identification** Not available.
- 1.3 Recommended use of the chemical and restrictions on use** Moldable self-adhesive silicone.  
Uses advised against: not available.
- 1.4 Manufacturer, importer, or other responsible party** sugru, Inc. HOVS  
38120 Amrhein, Livonia  
MI 48150  
USA  
Tel 877 990 9888  
hello@sugru.com  
*Manufacturer:* FormFormForm Ltd, Unit 2, 47-49 Tudor Road, London, E9 7SN, UK; Tel +44 (0) 20 7998 0022.
- 1.5 Emergency phone number** +44 (0) 20 7998 0022 (UK business hours).

## SECTION 2: Hazard(s) identification

- 2.1 Classification of the chemical in accordance with paragraph (d) of § 1910.1200** This product does not meet the criteria for classification in any hazard class according to the OSHA Hazard Communication Standard 29 CFR 1910.1200, 2012, and it is not mandatory to supply a safety data sheet, but this document contains information and advice concerning safe handling of the product.
- 2.2 Symbols, signal word, hazard and precautionary statements**
- |                          |       |
|--------------------------|-------|
| Pictogram                | None. |
| Signal word              | None. |
| Hazard statements        | None. |
| Precautionary statements | None. |
- 2.3 Other hazards** Not available.
- 2.4 Statement of unknown hazard** 25–50% of the mixture consists of ingredients of unknown acute toxicity.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures <sup>a</sup>

Declarable components	Conc. (wt%)	CAS No.
None		
<i>Other components</i>		

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Polydimethylsiloxane, silyl terminated	25 to 50	Trade secret
Talc	10 to 25	14807-96-6
Silicate filler	10 to 25	Trade secret
Additives (including silicon dioxide)	10 to 25	

## SECTION 4: First-aid measures

### 4.1 Description of first aid measures

Inhalation	If inhalation of the product is suspected, remove exposed person to fresh air, and give rest. If the patient continues to feel unwell, get prompt medical attention.
Skin	Wash affected area with soap and water. Get medical attention if irritation or other symptoms occur. Launder contaminated clothing before re-use.
Eye	In case of contact with eyes, irrigate with room-temperature water or eyewash solution for several minutes, occasionally lifting eyelids. Remove any contact lenses if easy to do. Get medical advice if irritation persists.
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Get prompt medical attention if symptoms occur. Do not induce vomiting, unless instructed by medical personnel.

**4.2 Most important symptoms/effects, acute and delayed** Not available.

**4.3 Indication of immediate medical attention and special treatment needed** Treat symptoms as they occur.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable	General fire-extinguishing agents such as water, carbon dioxide, and dry chemicals.
Unsuitable	Not available.

**5.2 Special hazards arising from the chemical** The product is not flammable, but will decompose if involved in a fire, producing smoke, and toxic fumes and gases.

**5.3 Special protective equipment and precautions for fire-fighters** Remove containers from fire or cool them with water spray. Firefighters should wear self-contained breathing apparatus and full protective clothing.

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## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** For large-scale spills, ensure personal protection is worn. Ventilate area. Follow prescribed procedures for responding to large spills and reporting to authorities.  
For recommended personal protective equipment, see Section 8.  
For disposal considerations, see Section 13.
- 6.2 Methods and material for containment and cleaning up** Prevent product or run-off from clean-up operations from entering water courses or drainage system.  
Carefully sweep up or collect product, and place in suitable container for disposal. Wash contaminated surfaces with water, and collect washings for safe disposal.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** For industrial or commercial use, avoid contact with skin and eyes. Wear protective clothing as in Section 8. Good general ventilation is recommended.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep containers in a cool, dry place away from direct sunlight. Store in sealed containers. Keep containers closed when not in use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Exposure limits Talc, containing no asbestos fibers: ACGIH TLV TWA: 2 mg/m<sup>3</sup> (respirable fraction, containing <1% crystalline silica); OSHA PEL: TWA 20 mppcf (containing <1% quartz); NIOSH REL: TWA 2 mg/m<sup>3</sup> (respirable dust, containing <1% quartz).

### 8.2 Engineering controls

For industrial and commercial use, good general ventilation is recommended.

### 8.3 Individual protection measures

For industrial and commercial use, the need for personal protective equipment should be based on a workplace risk assessment for the particular use.

Avoid skin and eye contact by wearing chemical resistant gloves (eg nitrile, neoprene, PVC) and safety goggles. Where more extensive contact may occur, wear suitable protective clothing (eg overalls).

Wear respiratory protective equipment if exposure to dusts or vapors is possible during product processing. PPE should be to national standards. Consult manufacturers concerning breakthrough times.

After work, wash hands before smoking, eating, or drinking.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance Highly colored paste

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Odor	Characteristic
Odor threshold	Not available
pH	Not available
Melting/freezing point	Not available
Initial boiling point/range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Flamm. or expl. limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubilities	Insoluble in water
Partition coeff. (log $K_{ow}$ )	Not available
Auto-ignition temp.	Not available
Decomposition temp.	Not available
Viscosity	Not available
<b>9.2 Other information</b>	Not available

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Not available.
<b>10.2 Chemical stability</b>	Product is supplied in sealed containers. Opening the container and exposing the product to moisture will cause the product to self-react to form a cured polymer. The polymerization reaction is not hazardous.
<b>10.3 Possibility of hazardous reactions</b>	Not available.
<b>10.4 Conditions to avoid</b>	Avoid prolonged storage at high temperature or exposure to sunlight.
<b>10.5 Incompatible materials</b>	Acids, bases, and oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	Not available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.

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Serious eye damage/irritation	Based on available data, the classification criteria are not met. Some ingredients present at low concentration have been identified with irritant properties.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Not classified due to lack of data.
Carcinogenicity	Not classified due to lack of data. Talc not containing asbestos or asbestiform fibres: classified by IARC as Group 3: not classifiable as to its carcinogenicity to humans. Silicate filler: IARC classify as Group 3: not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	Not classified due to lack of data.
STOT-single exposure	Not classified due to lack of data.
STOT-repeated exposure	Not classified due to lack of data.
Aspiration hazard	Not classified due to lack of data.

## SECTION 12: Ecological information

<b>12.1 Ecotoxicity</b>	In the environment, the product will react with moisture to form a polymer, which is unlikely to be toxic to aquatic life due to its high molecular weight.
<b>12.2 Persistence and degradability</b>	In the environment, the product will react with moisture to form a polymer, which is expected to persist in the environment.
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	The polymer is insoluble in water and involatile, and will persist in the soil compartment.
<b>12.5 Other adverse effects</b>	Not available.

## SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	Incineration and landfill are the recommended methods of disposal for the product, or the polymer it forms on reaction with moisture. Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in accordance with current federal and local regulations. Chemical residues from industrial use generally count as special waste.
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## SECTION 14: Transport information

<b>14.1 UN Number</b>	Not classified as dangerous goods for transport.
<b>14.2 UN proper shipping name</b>	Not applicable.

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<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not classified as environmentally hazardous for transport.
<b>14.6 Special precautions for user</b>	Not available.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the substance or mixture

	Section 302 (EHS TPQ)	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA Code	CAA 112(r) TQ
None						

OSHA: Hazard Communication Rule, 29 CFR, 1910.1200.

EPCRA (Emergency Planning and Community Right-to-Know Act): Section 302: Extremely Hazardous Substances (EHS), Threshold Planning Quantity (TPQ) in 40 CFR 355; EPCRA Section 304 gives EHS reportable quantities (RQ); Section 313 Toxic Chemicals, subject to annual reporting (40 CFR 372).

CERCLA (Comprehensive Environmental Response Compensation and Liability Act), Hazardous Substances; accidental release of substances above the Reportable Quantity (RQ) listed (in pounds) requires reporting; local reporting requirements may be in force.

RCRA Hazardous Wastes: RCRA P and U lists (40 CFR 261.33).

CAA Substances for Accidental Release Prevention: Clean Air Act 112 (r), Hazardous Air Pollutants; Threshold Quantities (TQ).

Other regulatory Not available

## SECTION 16: Other information

Revisions	This SDS is the first version in US format.
Abbreviations	ACGIH, American Conference of Governmental Industrial Hygienists; AIHA, American Industrial Hygiene Association; NIOSH, US National Institute for Occupational Safety and Health; OSHA, US Occupational Safety and Health Administration; PEL, permitted exposure limit; REL, recommended exposure limit; STOT RE, specific organ toxicity repeated exposure; STOT SE, specific target organ toxicity single exposure; TWA, time-weighted average.
References	Search for chemicals; available at the European Chemicals Agency website: <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> . List of Lists; Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 112(r) of the Clean Air Act; US EPA; October 2012. Guide to Occupational Exposure Values; ACGIH, 2013.

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Basis of classification

The substance is classified on the basis of available information on the ingredients and expert judgement of the product.