



## Safety Data Sheet according to Regulation (EC) No 1907/2006

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LOCTITE SI 5940 BK TB100ML EGFD

SDS No. : 165214  
V002.6

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

#### 1.1. Product identifier

LOCTITE SI 5940 BK TB100ML EGFD

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

Intended use:  
Silicone sealant

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd  
Adhesives  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

Fax-no.: +44 (1442) 278071

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

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

##### Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Evolves acetic acid during cure.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General chemical description:**

Acetoxy curing silicone

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Contains no dangerous substances exceeding the limits of the EU-Regulation

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.

Obtain medical attention if irritation persists.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Do not induce vomiting.

Seek medical advice.

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

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause eye irritation.

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

See section: Description of first aid measures

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**

Carbon dioxide, foam, powder

Fine water spray

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

None known

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

Do not expose to direct heat.

carbon oxides.

Silica fume

Formaldehyde

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

**Additional information:**

In case of fire, keep containers cool with water spray.

**SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes.  
Ensure adequate ventilation.  
Wear protective equipment.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

**6.3. Methods and material for containment and cleaning up**

Scrape up as much material as possible.  
Ensure adequate ventilation.  
Store in a partly filled, closed container until disposal.  
Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Vapours should be extracted to avoid inhalation.  
Ensure that workrooms are adequately ventilated.  
Avoid skin and eye contact.  
See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.  
Good industrial hygiene practices should be observed.

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

Store in a cool, well-ventilated place.  
Refer to Technical Data Sheet  
Never allow product to get in contact with water during storage

**7.3. Specific end use(s)**

Silicone sealant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                                       | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|--|-----|-------------------|------------------------------|--|-----------------|
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, INHALABLE DUST]  |     | 6                 | Time Weighted Average (TWA): |  | EH40 WEL        |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, RESPIRABLE DUST] |     | 2,4               | Time Weighted Average (TWA): |  | EH40 WEL        |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]  | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|-----------------------------------|--|-----------------|
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, TOTAL INHALABLE DUST] |     | 6                 | Time Weighted Average (TWA):      |  | IR_OEL          |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, RESPIRABLE DUST]      |     | 2,4               | Time Weighted Average (TWA):      |  | IR_OEL          |
| Acetic acid<br>64-19-7<br>[ACETIC ACID]                                     | 10  | 25                | Time Weighted Average (TWA):      | Indicative OELV                              | IR_OEL          |
| Acetic acid<br>64-19-7<br>[ACETIC ACID]                                     | 15  | 37                | Short Term Exposure Limit (STEL): | Indicative OELV                              | IR_OEL          |
| Acetic acid<br>64-19-7<br>[ACETIC ACID]                                     | 10  | 25                | Time Weighted Average (TWA):      | Indicative                                   | ECTLV           |
| Acetic acid<br>64-19-7<br>[ACETIC ACID]                                     | 20  | 50                | Short Term Exposure Limit (STEL): | Indicative                                   | ECTLV           |

#### Biological Exposure Indices:

None

#### 8.2. Exposure controls:

Engineering controls:  
Ensure good ventilation/extraction.

Respiratory protection:  
Ensure adequate ventilation.  
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area  
Filter type: A (EN 14387)  
This recommendation should be matched to local conditions.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Wear protective glasses.

Protective eye equipment should conform to EN166.

**Skin protection:**

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

|  |                                    |
|--|------------------------------------|
| Appearance                                     | paste<br>black                     |
| Odor   | Acetic acid                        |
| Odour threshold                                | No data available / Not applicable |
| pH   | Not applicable                     |
| Melting point                                  | No data available / Not applicable |
| Solidification temperature                     | No data available / Not applicable |
| Initial boiling point                          | Not determined                     |
| Flash point                                    | > 150 °C (> 302 °F)                |
| Evaporation rate                               | No data available / Not applicable |
| Flammability                                   | No data available / Not applicable |
| Explosive limits                               | No data available / Not applicable |
| Vapour pressure<br>(20 °C (68 °F))             | < 0,13 mbar                        |
| Relative vapour density:                       | No data available / Not applicable |
| Density<br>(20 °C (68 °F))                     | 1,02 g/cm <sup>3</sup>             |
| Bulk density                                   | No data available / Not applicable |
| Solubility                                     | No data available / Not applicable |
| Solubility (qualitative)<br>(Solvent: Water)   | Partially soluble                  |
| Solubility (qualitative)<br>(Solvent: Acetone) | Partially soluble                  |
| Partition coefficient: n-octanol/water         | No data available / Not applicable |
| Auto-ignition temperature                      | No data available / Not applicable |
| Decomposition temperature                      | No data available / Not applicable |
| Viscosity                                      | No data available / Not applicable |
| Viscosity (kinematic)                          | No data available / Not applicable |
| Explosive properties                           | No data available / Not applicable |
| Oxidising properties                           | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Polymerises in presence of water.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

Stable under normal conditions of storage and use.

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

At higher temperatures (>150C) may release formaldehyde (traces).

Evolves acetic acid during cure.

## SECTION 11: Toxicological information

### General toxicological information:

Methanol released during polymerisation of RTV silicones is toxic by inhalation. It is also highly flammable

Acetic acid released during polymerisation of acetoxy curing RTV silicones is irritating to the eyes

Acetic acid is liberated slowly upon contact with moisture.

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause eye irritation.

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

May cause irritation to the digestive tract.

No substance data available.

#### Acute dermal toxicity:

No data available.

#### Acute inhalative toxicity:

No data available.

#### Skin corrosion/irritation:

No data available.

#### Serious eye damage/irritation:

No data available.

#### Respiratory or skin sensitization:

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

No data available.

**Aspiration hazard:**

No data available.

**SECTION 12: Ecological information****General ecological information:**

Do not empty into drains / surface water / ground water.

**12.1. Toxicity****Toxicity (Fish):**

No data available.

**Toxicity (Daphnia):**

No data available.

**Chronic toxicity to aquatic invertebrates**

No data available.

**Toxicity (Algae):**

No data available.

**Toxicity to microorganisms**

No data available.

**12.2. Persistence and degradability**

The product is not biodegradable.

No substance data available.

**12.3. Bioaccumulative potential**

No data available.

No substance data available.

**12.4. Mobility in soil**

Cured adhesives are immobile.

No substance data available.

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

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

**12.6. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

Dispose of in accordance with local and national regulations.

Collection and delivery to recycling enterprise or other registered elimination institution.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.



**SECTION 14: Transport information**

- 14.1. UN number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content < 3 %  
(2010/75/EC)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information****Further information:**

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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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