

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

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9916 / 9914 / 9913 / 9912 Gasket Maker 85g

SDS No. : 191177  
V002.4

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

9916 / 9914 / 9913 / 9912 Gasket Maker 85g

**Contains:**Methyltriacetoxysilane  
Triacetoxethylsilane**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**SCT Vertriebs GmbH  
Feldstr. 154  
22880 Wedel, Germany  
Phone: +49 4103 1211111  
Fax-no.: +49 4103 1211116**1.4. Emergency telephone number**

Phone: +49 4103 1211111

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (CLP):**

|                                 |            |
|---------------------------------|------------|
| Skin irritation                 | Category 2 |
| H315 Causes skin irritation.    |            |
| Serious eye damage              | Category 1 |
| H318 Causes serious eye damage. |            |

**2.2. Label elements****Label elements (CLP):****Hazard pictogram:****Signal word:**

Danger

|  |   |
|--|---|
| <b>Hazard statement:</b>                       | H315 Causes skin irritation.<br>H318 Causes serious eye damage.   |
| <b>Precautionary statement:<br/>Prevention</b> | P280 Wear eye protection/face protection.   |
| <b>Precautionary statement:<br/>Response</b>   | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P302+P352 IF ON SKIN: Wash with plenty of water. |

### 2.3. Other hazards

None if used properly.

## 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:

| Hazardous components<br>CAS-No.      | EC Number<br>REACH-Reg No.          | content       | Classification                                      |
|--------------------------------------|-------------------------------------|---------------|---|
| Triacetoxyethylsilane<br>17689-77-9  | 241-677-4<br>01-2119881778-115-XXXX | >= 1- < 2,5 % | Acute Tox. 4; Oral<br>H302<br>Skin Corr. 1B<br>H314 |
| Methyltriacetoxyasilane<br>4253-34-3 | 224-221-9<br>01-2119962266-32-XXXX  | >= 1- < 2,5 % | Acute Tox. 4; Oral<br>H302<br>Skin Corr. 1B<br>H314 |

For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

## 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 from a specialist.

**Ingestion:**  
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

**EYE:** Irritation, conjunctivitis.

**SKIN:** Redness, inflammation.

**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**

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.

**6.2. Environmental precautions**

Do not let product enter drains.

**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.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Use only in well-ventilated areas.  
Vapours should be extracted to avoid inhalation.

Hygiene measures:

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

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

Store in a cool, well-ventilated place.  
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>7631-86-9<br>[SILICA, AMORPHOUS, INHALABLE DUST]  |     | 6                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Silicon dioxide<br>7631-86-9<br>[SILICA, AMORPHOUS, RESPIRABLE DUST] |     | 2,4               | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Diiron trioxide<br>1309-37-1<br>[ROUGE, RESPIRABLE]                  |     | 4                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Diiron trioxide<br>1309-37-1<br>[ROUGE, TOTAL INHALABLE]             |     | 10                | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Diiron trioxide<br>1309-37-1<br>[IRON OXIDE, FUME (AS FE)]           |     | 5                 | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Diiron trioxide<br>1309-37-1<br>[IRON OXIDE, FUME (AS FE)]           |     | 10                | Short Term Exposure Limit (STEL): |  | EH40 WEL        |

#### Predicted No-Effect Concentration (PNEC):

| Name on list                        | Environmental Compartment    | Exposure period | Value |     |       |                | Remarks |
|-------------------------------------|------------------------------|-----------------|-------|-----|-------|----------------|---------|
|                                     |                              |                 | mg/l  | ppm | mg/kg | others         |         |
| Triacetoxyethylsilane<br>17689-77-9 | aqua (freshwater)            |                 |       |     |       | >= 0,2 mg/L    |         |
| Triacetoxyethylsilane<br>17689-77-9 | aqua (marine water)          |                 |       |     |       | >= 0,02 mg/L   |         |
| Triacetoxyethylsilane<br>17689-77-9 | aqua (intermittent releases) |                 |       |     |       | 1,7 mg/L       |         |
| Triacetoxyethylsilane<br>17689-77-9 | sediment (freshwater)        |                 |       |     |       | >= 0,16 mg/kg  |         |
| Triacetoxyethylsilane<br>17689-77-9 | sediment (marine water)      |                 |       |     |       | >= 0,016 mg/kg |         |
| Triacetoxyethylsilane<br>17689-77-9 | soil                         |                 |       |     |       | >= 0,031 mg/kg |         |
| Triacetoxyethylsilane<br>17689-77-9 | STP                          |                 |       |     |       | > 1 mg/L       |         |

**Derived No-Effect Level (DNEL):**

| Name on list                        | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value                  | Remarks |
|-------------------------------------|--------------------|-------------------|---|---------------|------------------------|---------|
| Triacetoxyethylsilane<br>17689-77-9 | Workers            | Inhalation        | Long term exposure - local effects        |               | 32,5 mg/m <sup>3</sup> |         |
| Triacetoxyethylsilane<br>17689-77-9 | Workers            | Inhalation        | Acute/short term exposure - local effects |               | 32,5 mg/m <sup>3</sup> |         |
| Triacetoxyethylsilane<br>17689-77-9 | general population | Inhalation        | Acute/short term exposure - local effects |               | 65 mg/m <sup>3</sup>   |         |
| Triacetoxyethylsilane<br>17689-77-9 | general population | Inhalation        | Long term exposure - local effects        |               | 10,8 mg/m <sup>3</sup> |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Ensure adequate ventilation.

Filter type: A

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to &gt; 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 &gt; 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:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Skin protection:

Wear suitable protective clothing.

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

Appearance

paste

paste

red

Odor

of acetic acid

Odour threshold

No data available / Not applicable

pH

Not applicable

Initial boiling point

Not available.

Flash point

&gt; 93 °C (&gt; 199.4 °F)

Decomposition temperature

No data available / Not applicable

|  |  |
|--|--|
| Vapour pressure<br>(21 °C (69.8 °F))           | 13 mbar  |
| Density<br>( $\rho$ )                          | 1,01 g/cm <sup>3</sup>                         |
| Bulk density                                   | 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             |
| Solubility (qualitative)<br>(Solvent: Water)   | Not soluble. Polymerizes in presence of water. |
| Solubility (qualitative)<br>(Solvent: Acetone) | Not determined                                 |
| Solidification temperature                     | No data available / Not applicable             |
| Melting point                                  | No data available / Not applicable             |
| Flammability                                   | No data available / Not applicable             |
| Auto-ignition temperature                      | No data available / Not applicable             |
| Explosive limits                               | No data available / Not applicable             |
| Partition coefficient: n-octanol/water         | No data available / Not applicable             |
| Evaporation rate                               | No data available / Not applicable             |
| Vapor density                                  | 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

Strong oxidizing agents.  
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

Acetic acid is liberated slowly upon contact with moisture.  
At higher temperatures (>150C) may release formaldehyde (traces).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

#### Oral toxicity:

May cause irritation to the digestive tract.

#### Inhalative toxicity:

Acetic acid is liberated slowly upon contact with moisture.  
Inhalation of vapors in high concentration may cause irritation of respiratory system

**Skin irritation:**

Causes skin irritation.

**Eye irritation:**

Causes serious eye damage.

**Acute oral toxicity:**

| Hazardous components<br>CAS-No.     | Value<br>type | Value       | Route of<br>application | Exposure<br>time | Species | Method                                   |
|-------------------------------------|---------------|-------------|-------------------------|------------------|---------|--|
| Triacetoxethylsilane<br>17689-77-9  | LD50          | 1.460 mg/kg | oral                    |                  | rat     | OECD Guideline 401 (Acute Oral Toxicity) |
| Methyltriacetoxysilane<br>4253-34-3 | LD50          | 1.600 mg/kg | oral                    |                  | rat     | OECD Guideline 401 (Acute Oral Toxicity) |

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

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**12.1. Toxicity****Ecotoxicity:**

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

| Hazardous components<br>CAS-No.    | Value<br>type | Value    | Acute<br>Toxicity<br>Study | Exposure<br>time | Species   | Method   |
|------------------------------------|---------------|----------|----------------------------|------------------|---|--|
| Triacetoxethylsilane<br>17689-77-9 | LC50          | 251 mg/l | Fish                       | 96 h             | Brachydanio rerio (new name:<br>Danio rerio)                      | OECD Guideline 203 (Fish, Acute Toxicity Test)             |
| Triacetoxethylsilane<br>17689-77-9 | EC50          | 62 mg/l  | Daphnia                    | 48 h             | Daphnia magna   | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Triacetoxethylsilane<br>17689-77-9 | IC50          | 73 mg/l  | Algae                      | 72 h             | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test)          |

**12.2. Persistence and degradability****Persistence and Biodegradability:**

The product is not biodegradable.

| Hazardous components<br>CAS-No.    | Result | Route of<br>application | Degradability | Method   |
|------------------------------------|--------|-------------------------|---------------|--|
| Triacetoxethylsilane<br>17689-77-9 |        |                         | 74 %          | OECD Guideline 301 A (old version) (Ready Biodegradability: Modified AFNOR Test) |

**12.3. Bioaccumulative potential / 12.4. Mobility in soil****Mobility:**

Cured adhesives are immobile.

**Bioaccumulative potential:**

No data available.

| Hazardous components<br>CAS-No.    | LogKow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method |
|------------------------------------|--------|----------------------------------|------------------|---------|-------------|--------|
| Triacetoxethylsilane<br>17689-77-9 | 0,74   |                                  |                  |         |             |        |

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

| Hazardous components<br>CAS-No.     | PBT/vPvB  |
|-------------------------------------|---|
| Triacetoxyethylsilane<br>17689-77-9 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**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.

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

**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. Packaging 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 73/78 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 3,08 %  
(1999/13/EC)



### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

### Further information:

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.

### Label elements (DPD):

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

Additional labeling:

Safety data sheet available for professional user on request.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**