

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 1 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name ZOLLEX silicone sealant - red
Substance/preparation preparation

1.2 Relevant identified uses of the substance/preparation and inadvisable uses

Identified uses: silicone sealant for automotive repairs

1.3 Details of the supplier of the safety data sheet

Supplier:

Zolleks Avto d.o.o.
Kidričeva cesta 97
4220 Škofja Loka

Telephone: +386 4 502 07 10
Telephone: +386 4 502 07 19

E-mail address of the person responsible for drawing up the safety data sheet:

info@kemikalije.si

1.4 Emergency telephone number

Emergency call-Slovenia: 112

2. HAZARD IDENTIFICATION

2.1 Classification of the substance/preparation

DIRECTIVE 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16.

The product is not classified as hazardous.

2.2 Label elements

Classification based on the Directive 1999/45/EC:

R-phrases: -

S-phrases:

S2 Keep out of the reach of children.
S7 Keep container tightly closed.
S51 Use only in well-ventilated areas.

2.3. Other risks

It may remain stuck to the skin when dry.
May be harmful to eyes, respiratory system and skin.

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 2 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Substances

Chemical characteristics of the product: a mixture of polydimethylsiloxanes, quarts and firming agents. During use, acetic acid is released (no. CAS 64-19-7, C R10-35) – due to moisture in the air.

Chemical Name	CAS ES Index	REACH reg.no.	Ut. %	Classification (Dir.67/548)	Classification (the 1272/2008 Regulation)
Methylsilanetriyl triacetate	CAS: 4253-34-3 ES: 224-221-9 Index: ----	---	<2,5%	C; R34, R14	Skin Corr. 1B, H314
Ethyl triacetoxysilane	CAS: 17689-77-9 ES: 241-677-4 Index: ----	---	<2,5%	C; R34, R14	Skin Corr. 1B, H314

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

Inhalation	Move the injured person into fresh air, keep him warm and relaxed. In case of any discomfort seek medical attention.
Skin contact	Immediately wash the skin with plenty of water and soap, and rinse thoroughly. Remove contaminated clothing and shoes. In case of irritation or prolonged irritation seek medical attention. Wash the clothes before using them again.
Eye contact	Immediately flush eyes thoroughly with plenty of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation develops, seek medical attention.
Ingestion	Do not induce vomiting and seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide, powder, foam or split water spray.
Unsuitable extinguishing media	Direct water stream as it may spread the fire.

5.2 Special hazards arising from the substance or mixture

Special hazard	Combustible. For further information, see Section 10.
-----------------------	---

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 3 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

5.3 Recommendations for fire fighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus.
Other	Cool containers / equipment exposed to heat with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours.

6.2 Environmental precautions

Product does not present any particular risk to the environment.

6.3 Cleaning up methods, materials and retention

Collection: Scrape the product with a spatula or similar device. Collect the product in reserve tanks –properly labelled and well-sealed.

Neutralization: Absorb the residue with an inert absorbent material.

Cleaning/Decontamination: Decontaminate and wash the floor with a suitable solvent (see Section »Physical and chemical properties»). Then rinse with plenty of water.

6.4 Reference to other sections

Personal Protective Equipment	See Section 8
Waste treatment	See Section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice for safe handling	Keep out of the reach of children. Provide adequate ventilation at the workplace, thus reducing formation and dust collection. It is necessary to wash hands well after use. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
---------------------------------	---

Advice for fire safety -

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep tightly closed in the original container and in a cool place.

Incompatible materials	Strong oxidising agents
-------------------------------	-------------------------

<u>7.3 Specific end uses</u>	Silicone sealant for car repairs
-------------------------------------	----------------------------------

Additional information:

Packaging: aluminium tube, type: 000477-21 grams and type: 000798-63 grams.
Product polymerises in contact with air.

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 4 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

Shelf life: 2 years.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values for acetic acid: TLV(TWA) = 25 mg/m³ (10 ppm)
TLV(STEEL) = 37 mg/m³ (15 ppm)

Slovenia: limit value 8h: 25 mg/m³ (10 ppm)

Control procedures: Measurement of insufficient ventilation.

8.2 Exposure controls

Engineering measures Provide adequate ventilation at the workplace.

Personal protective equipment

General measures Immediately remove contaminated clothing. Avoid contact with skin and eyes. When using this product do not eat, drink or smoke. Do not breathe smoke and fumes.

Respiratory protection In case of insufficient ventilation, use respiratory protective mask with filter for gas.

Eye/face protection Safety glasses.

Skin and body protection Work clothing.

Hand protection Protective rubber gloves.

8.3. Environmental exposure controls

General information Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Thixotropic paste (thixotropic . Referring to the substance, which at rest operates as a gel and at movement as a viscous liquid)
Colour	Red
Odour	Of vinegar
pH	at 20°C: 8,5 – 10,5
Flash point	>150°C (closed container, according to the Afnor T 60103 method)
Oxidising properties	Product is not oxidative according to EEC criteria
Decomposition temperature	>200°C
Water solubility	Practically insoluble in water
Solubility in organic solvents	Insoluble in acetone, alcohol (ethanol)
Other	Disperses (partially dissolves) in gasoline, colourless alcohol, aromatic hydrocarbons (toluene, xylene), chlorinated solvents.

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
 - red

Date of issue: 07.01.2013
Version: 1

Specific gravity/density:	1,040g/cm ³
---------------------------	------------------------

9.2 Other information no information available

10. STABILITY AND REACTIVITY

- | | |
|---|---|
| <u>10.1 Reactivity</u> | Vulcanizes at room temperature, when in contact with moisture in the air. |
| <u>10.2 Chemical stability</u> | Does not decompose when used in accordance with instructions. |
| <u>10.3 Possibility of hazardous reactions</u> | Hazardous polymerisation: no information available. |
| <u>10.4 Conditions to avoid</u> | no information available |
| <u>10.5 Incompatible materials</u> | - |
| <u>10.6 Hazardous decomposition products</u> | Acetic acid is released during vulcanization. (Potentially released quantity: < 3 % of the product weight)
Combustion produces: carbon oxides (CO and CO ₂), amorphous silica. |

11. TOXICOLOGICAL INFORMATION

- | | |
|--------------------------------|---|
| (a) acute toxicity; | Acetic acid LC 50 inhalation-mouse/1 h : 14 mg/l. |
| (b) irritation; | Repeated or prolonged contact may cause slight skin irritation. May cause slight temporary irritation of mucous membrane. In a large concentrations vapours may cause respiratory irritation. |
| (c) corrosivity; | no information available |
| (d) sensitization; | no information available |
| (e) repeat dose toxicity; | no information available |
| (f) carcinogenicity; | no information available |
| (g) mutagenicity; | no information available |
| (h) toxicity for reproduction; | no information available |

12. ECOLOGICAL INFORMATION

12.1 Toxicity not determined

Ecotoxicity: No anticipated adverse effects on aquatic organisms.
 Toxicity to fish: Pimphales promelas LC50: 88 mg/l/96 h
 Toxicity to Daphnia magna: Daphnia magna EC50:150 mg/l/24 h
 Toxicity to bacteria: no information available
 Toxicity to algae: no information available

12.2 Persistence and degradability The product is not biodegradable.

KPK – Chemical oxygen consumption: no information available

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 6 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

BPK5 – Biochemical oxygen demand for 5 days: no information available

12.3 Bio accumulative potential Practically does not bio accumulate.

12.4 Mobility in soil

Precipitation: Slightly soluble product, immediately forming a sediment.
Expected behaviour of the product: Final destination of the product: SOIL and SEDIMENT.

12.5 Results of PBT and vPvB assessment no information available

12.6 Other adverse effects no information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues: Dispose of the residues into recycling process, subject to applicable local and national regulations.

Contaminated packaging: Recommendation: Separate different parts of the packaging and handle them separately. Packaging is not reusable.
Dispose of the packaging into recycling process, subject to applicable local and national regulations.

Note: The user should pay special attention to any local regulations governing the disposal.

National regulations relating to waste:

- *Rules on waste management with all its amendments and modifications*
- *Decree on the management of packaging and packaging waste with all its amendments and modifications*
- *Environmental Protection Act with all its amendments and modifications*

14. TRANSPORT INFORMATION

14.1 UN number : not regulated
14.2 UN proper shipping name: not regulated
14.3 Transportation hazard classification: not regulated
14.4 Packaging group : not regulated
14.5 Environmental hazard : not regulated
14.6 Special precautions for user : not applicable
14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code: not applicable

The product is not classified as dangerous goods according to ADR / RID / ADN, ICAO and IATA regulations.

15. REGULATORY INFORMATION

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

European Union

Regulation 1907/2006 (Reach), Directive 67/548/EEC and 1999/45/EC

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

Page : 7 / 7

Zolleks Avto d.o.o.

ZOLLEX silicone sealant
- red

Date of issue: 07.01.2013
Version: 1

Regulations in Slovenia

- Chemicals Act (Zkem-B – Official Gazette of the RS, no.110/2003, 16/2008, 09/2011)
- Rules on the classification, packaging and labelling of dangerous substances (Official Gazette of the RS no. 35/2005, 54/07, 88/08)
- Rules on the classification, packaging and labelling of dangerous preparations (Official Gazette of the RS no. 67/05, 137/06, 88/08, 8/09)
- Environment Protection Act (Official Gazette of the RS, no.39/2006- ZVO-1-UPB1, 70/08, 108/09)
- Decree on waste management (Official Gazette of the RS, no. 103/2011)
- Decree on the management of packaging and packaging waste (Official Gazette of the RS, no.84/2006 as amended and modified)

15.2 Chemical safety assessment

Chemical safety assessment has not been made.

16. OTHER INFORMATION

Source of the safety data sheet: manufacturer's safety data sheet dated 10.06.2009

List of relevant R phrases, hazard statements, safety phrases and / or precautionary statements

H314 Causes severe skin burns and eye damage.

R34 Causes burns.

R14 Reacts violently with water.

Date of previous issue: -

Abbreviations:

TWA (time-weighted average) : daily exposure limit value (8h)

STEL (short-term exposure limits) : limit value for short-term exposure

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

The above information is based on our present knowledge and experience and relates to the product in the state in which it has been delivered. The information is to describe our product regarding safety requirements. Entries do not constitute a guarantee of the product properties in the legal sense. It is the product users own responsibility to know and take into account the legal provisions in relation to the transport and use of the product.

End of the safety data sheet