

Printing date 08/01/2018

Reviewed on 07/30/2018

1 Identification

- **Product identifier**
- **Trade name:** REINZOSIL
- **Article number:** 70-31414-10
- **Application of the substance / the mixture**
Sealant
Silicone sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Reinz-Dichtungs-GmbH
Reinzstr. 3-7
D-89233 Neu-Ulm
Germany
Tel.: +49-(0)731-7046-0
E-Mail: sdb.qus@dana.com
- **Information department:** Department ASU
- **Emergency telephone number:** 011 49 731 / 7046 - 301

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
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	1	Reactivity = 1

- **Other hazards**

This product contains substance/s which may cause:

- (i) skin irritation
- (ii) central nervous system effects
- (iii) internal organ effects
- (iv) reproductive effects
- (v) cancer
- (vi) immune system effects
- (vii) developmental effects

When using this product:

- (i) avoid skin contact
 - (ii) avoid ingestion
 - (iii) use skin protection
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.

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· vPvB: Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Polydimethylsiloxane with inorganic fillers and oximosilane as curing agent

- **Dangerous components:**

CAS: 58190-62-8	2-Pentanone, O,O',O''-(ethenylsilyldyne)trioxime	1-<5%
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EC number: 700-810-0	⚠ Acute Tox. 4; Eye Irrit. 2A; Flam. Liq. 4	
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CAS: 128446-60-6	3-Aminopropyl(methyl)silsesquioxane, ethoxy-terminated	1-<5%
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	⚠ Flam. Liq. 3; ⚠ Skin Irrit. 2; Eye Irrit. 2A	
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- **Additional information:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:

CAS: 623-40-5	2-Pentanone oxime	
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ELINCS: 484-470-6	⚠ Acute Tox. 4; Eye Irrit. 2A; Flam. Liq. 4; Aquatic Acute 3; Aquatic Chronic 3	
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4 First-aid measures

- **Description of first aid measures**

- **General information:** Take affected persons out into the fresh air.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Remove from the skin using a cloth or paper. Then clean with water and soap.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

- **Information for doctor:** No further relevant information available.

- **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.

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:** No special measures required.

- **Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the collected material according to regulations.

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- **Reference to other sections**
By a reaction with atmospheric humidity by-products are released. See chapter 8.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **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 limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
While curing the following substances are formed and released by a reaction with atmospheric humidity:
2-Pentanoxime (CAS 623-40-5)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
Filter AX
- **Protection of hands:**
Impervious gloves.
Not required.
- **Material of gloves** Not applicable.
- **Penetration time of glove material** Not applicable.
- **Eye protection:** Safety glasses
- **Body protection:**



Protective work clothing

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Pasty

Color: Anthracite

· Odor: Characteristic

· Melting point/Melting range: Undetermined.

· Boiling point/Boiling range: Not applicable.

· Flash point: >151 °C (>303.8 °F)

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Density at 20 °C (68 °F): 1.07 g/cm³ (8.93 lbs/gal)

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content:

VOC content: 0,4 g/l

· Other information: No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

· Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· Hazardous decomposition products:

None if stored according to specifications.

Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

CAS: 58190-62-8 2-Pentanone, O,O',O''-(ethenylsilyldiyl)trioxime

Oral LD50 1,000-2,000 mg/kg (rat)

· Primary irritant effect:

· **on the skin:** Slight irritation possible.

· **on the eye:** Slight irritation possible.

· **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

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.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

CAS: 108-88-3 toluene: 3

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- **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:**
CAS: 58190-62-8 2-Pentanone, O,O',O''-(ethenylsilyldiyne)trioxime
EC50/48 h >100 mg/L (daphnia magna)
- **Persistence and degradability** No further relevant information available.
- **Other information:** The product is not biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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:**
Not cured product may not be disposed off together with household waste and may not reach sewing system. To dispose off open product containers and let them stand at open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed off as the cured product.
Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.
- **Uncleaned packagings:**
- **Recommendation:**
Empty containers totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.

14 Transport information

· UN-Number	Void
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	Void
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	Void
· DOT, ADR, ADN, IMDG, IATA	Void
· Class	Void
· Packing group	Void
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.

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| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
OSHA Hazard Communication Standard, 29 CFR 1910.1200 (HCS)
United Nations (UN) Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
CAS: 108-88-3 toluene
- **TSCA (Toxic Substances Control Act):**
2-Pentanone, O,O',O''-(ethenylsilylydine)trioxime, P-17-0308, (or 2-Pentanone, 2,2',2''-[O,O',O''-(methylsilylydine)trioxime], P-17-0309) is subject to the export notification requirements of TSCA § 12(b) and 40 C.F.R. Part 707, Subpart D.
One ingredient isn't listed
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
CAS: 108-88-3 toluene
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**
CAS: 108-88-3 toluene: II
- **TLV (Threshold Limit Value established by ACGIH)**
CAS: 108-88-3 toluene: A4
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials:**
No further relevant information available.
- **Information about limitation of use:** No further relevant information available.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 08/01/2018 / 14
- **Abbreviations and acronyms:**
TLV: Threshold Limit Value

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PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
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
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
VOC: Volatile Organic Compounds (USA, EU)
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
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

• * **Data compared to the previous version altered.**

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