

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 30.06.2022

Version number 10 (replaces version 7)

Revision: 30.06.2022

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

- **1.1 Product identifier**
- **Trade name:** WAKOL D 3307 PVC Adhesive
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
WAKOL GmbH  
Bottenbacher Str. 30  
D-66954 Pirmasens  
info@wakol.com  
+49 6331 8001 0
- **Informing department:**  
Product safety department.  
msds@wakol.de
- **1.4 Emergency telephone number:**  
Emergency CONTACT (24-Hour-Number):  
GBK GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the GB CLP regulation.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Contains 1,2-benzisothiazol-3(2H)-one, a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.  
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
  - **Description:** Adhesive
  - **Dangerous components:**
- |                           |                                                               |        |
|---------------------------|---------------------------------------------------------------|--------|
| CAS: 2634-33-5            | 1,2-benzisothiazol-3(2H)-one                                  | <0.05% |
| EINECS: 220-120-9         | ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400;                  |        |
| Reg.nr.: 01-2120761540-60 | ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 |        |
|                           | Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %  |        |

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CAS: 55965-84-9      a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC ≥0.00025–<0.0015%  
EC number: 611-341-5      No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No  
220-239-6] (3:1)

⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318;

⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317

Specific concentration limits:

Skin Corr. 1C; H314: C ≥0.6 %

Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 %

Eye Dam. 1; H318: C ≥0.6 %

Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 %

Skin Sens. 1A; H317: C ≥0.0015 %

CAS: 2682-20-4      2-methyl-2H-isothiazol-3-one      <0.0015%

EINECS: 220-239-6      ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318;

Reg.nr.: 01-2120764690-50      ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1A, H317

Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

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**· 6.2 Environmental precautions:***Do not allow product to reach sewage system or any water course.**Dilute with plenty of water.***· 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Dispose contaminated material as waste according to item 13.***· 6.4 Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.***SECTION 7: Handling and storage****· 7.1 Precautions for safe handling** *No special precautions are necessary if used correctly.***· Information about protection against explosions and fires:** *No special measures required.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and containers:** *No special requirements.***· Information about storage in one common storage facility:** *Not required.***· Further information about storage conditions:***Protect from frost.**Store in cool, dry conditions in well sealed receptacles.***· 7.3 Specific end use(s)** *No further relevant information available.***SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Components with critical 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.***· DNELs****2634-33-5 1,2-benzisothiazol-3(2H)-one***Dermal DNEL 0.345 mg/kg/day (consumer (long-term))**0.966 mg/kg/day (workwr (long-term))**Inhalative DNEL 1.2 mg/m<sup>3</sup> (consumer (long-term))**6.81 mg/m<sup>3</sup> (workwr (long-term))***· PNECs****2634-33-5 1,2-benzisothiazol-3(2H)-one***PNEC 4.03 µg/l (freshwater)**0.403 µg/l (sea water)**PNEC 1.03 mg/l (purification plant)**PNEC 3 mg/kg (soil)**0.00499 mg/kg (sediment (sea water))**0.0499 mg/kg (sediment (freshwater))***· Additional information:** *The lists valid during the making were used as basis.*

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- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Hand protection**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.35$  mm  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** White
- **Smell:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH at 20 °C** 7.8 (ISO 976)
- **Viscosity:**
- **Kinematic viscosity** Not determined.

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- **kinematic (calculated) at 40°C:**
- **dynamic at 20 °C:** 61,000 mPas (ISO 2555)
- **Solubility**
- **Water:** Fully miscible.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Steam pressure at 20 °C:** 23 hPa
- **Density and/or relative density**
- **Density at 20 °C** 1.4 g/cm<sup>3</sup> (EN ISO 2811-1)
- **Relative density** Not determined.
- **Vapour density** Not determined.
  
- **9.2 Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **VOC** 0.00 %
- **Solids content:** 77.0 % (DIN EN 827.8.2)
- **Change in condition**
- **Evaporation rate** Not determined.
  
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**· **Acute toxicity** Based on available data, the classification criteria are not met.· **LD/LC50 values that are relevant for classification:****2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral LD50 1,193 mg/kg (rat)

Dermal LD50 4,115 mg/kg (rat)

**55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

Oral LD50 66 mg/kg (rat)

Dermal LD50 141 mg/kg (rat)

**2682-20-4 2-methyl-2H-isothiazol-3-one**

Oral LD50 285 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rat)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.· **11.2 Information on other hazards**· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****2634-33-5 1,2-benzisothiazol-3(2H)-one**LC50/96h 2.18 mg/l (*Oncorhynchus mykiss*)2.2 mg/l (*Lepomis macrochirus*)EC50/18h 0.4 mg/l (*Pseudomonas putida*)EC50/48h 2.94 mg/l (*Daphnia magna*)EC50/72h 0.067 mg/l (*Pseudokirchneriella subcapitata*)EC0 1 mg/l (*Daphnia magna*)**55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**NOEC/48h 0.00064 mg/l (*Skeletonema costatum*)

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NOEC/21d 0.004 mg/l (*Daphnia magna*)  
 LC50/96h 0.188 mg/l (*Oncorhynchus mykiss*)  
 EC20/3h 0.97 mg/l (sludge)  
 EC50/48h 0.126 mg/l (*Daphnia magna*)  
 EC50/3h 7.92 mg/l (sludge) (OECD 209)  
 EC50/72h 0.048 mg/l (*Pseudokirchneriella subcapitata*)  
 EC50/96h 0.22 mg/l (*Oncorhynchus mykiss*)  
 NOEC/72h 0.0012 mg/l (*Pseudokirchneriella subcapitata*)

**2682-20-4 2-methyl-2H-isothiazol-3-one**

LC50/96h 0.6 mg/l (*Oncorhynchus mykiss*)  
 12.4 mg/l (*Lepomis macrochirus*)  
 EC50/18h 2.3 mg/l (*Pseudomonas putida*)  
 EC50/48h 1.6 mg/l (*Daphnia magna*)  
 EC50/72h 0.157 mg/l (*Pseudokirchneriella subcapitata*)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleaning agent:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

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- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **GEV-Guideline/EMICODE:** EC 1 plus, "very low emission"
- **VOC (EU)** 0.0 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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.*

- **Relevant phrases**
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- **Abbreviations and acronyms:**
- ADR: Accord relatif au transport international 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)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent

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*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*

*Skin Corr. 1C: Skin corrosion/irritation – Category 1C*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

GB