

**Safety data sheet**  
**according to UK REACH**

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

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

· **1.1 Product identifier**

· **Trade name:** WAKOL DL 3365 StarLeit

· **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 Global Regulatory Compliance +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.

· **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 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), 1,2-benzisothiazol-3(2H)-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

(Contd. on page 2)

GB

**Safety data sheet**  
according to UK REACH

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 1)

**· Dangerous components:**

<p>CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60</p>	<p>1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %</p>	<p>&lt;0.1%</p>
<p>CAS: 55965-84-9 EC number: 611-341-5 Reg.nr.: 01-2120764691-48</p>	<p>a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC ≥0.00025-&lt;0.0025% 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, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C &lt; 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C &lt; 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %</p>	

· **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

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 2)

**· 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 section 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 (consumers (Long-term))

0.966 mg/kg/day (workers (Long-term))

Inhalative DNEL 1.2 mg/m<sup>3</sup> (consumers (Long-term))6.81 mg/m<sup>3</sup> (workers (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))

(Contd. on page 4)

**Safety data sheet**  
according to UK REACH

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 3)

**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)**

PNEC 0.00339 mg/l (Freshwater)

0.00339 mg/l (Sea water)

0.00339 mg/l (Water - partially release)

0.23 mg/l (Purification plant)

PNEC 0.01 mg/kg (Soil)

0.027 mg/kg (Sediment (Sea water))

0.027 mg/kg (Sediment (Freshwater))

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 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:**

Grey

· **Smell:**

Characteristic

(Contd. on page 5)

**Safety data sheet**  
according to UK REACH

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

Trade name: WAKOL DL 3365 StarLeit

(Contd. of page 4)

· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	0 °C
· <b>Boiling point or initial boiling point and boiling range</b>	100 °C
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH at 20 °C</b>	7.8 (ISO 976)
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>kinematic (calculated) at 40°C:</b>	
· <b>dynamic at 20 °C:</b>	60,000 mPas (ISO 2555)
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Steam pressure at 20 °C:</b>	24 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	1.25 g/cm <sup>3</sup> (EN ISO 2811-1)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Pasty
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>VOC</b>	0.00 %
· <b>Solids content:</b>	70.9 % (DIN EN 827.8.2)
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void

(Contd. on page 6)

**Safety data sheet**  
according to UK REACH

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

Trade name: **WAKOL DL 3365 StarLeit**

- Corrosive to metals
- Desensitised explosives

Void  
Void

(Contd. of page 5)

**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.
- **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 64 mg/kg (Rat)  
Dermal LD50 87.12 mg/kg (rabbit)
- **Primary irritant effect:**
  - **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*)

(Contd. on page 7)

**Safety data sheet**  
**according to UK REACH**

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 6)

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*)

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*)

· **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

(Contd. on page 8)



**Safety data sheet**  
**according to UK REACH**

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 7)

- **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**
- **Poisons Act**
- **Regulated explosives precursors**  
None of the ingredients is listed.
- **Regulated poisons**  
None of the ingredients is listed.
- **Reportable explosives precursors**  
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **GEV-Guidline/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.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

(Contd. on page 9)



**Safety data sheet**  
**according to UK REACH**

Printing date 11.12.2024

Version number 12 (replaces version 11)

Revision: 11.12.2024

**Trade name: WAKOL DL 3365 StarLeit**

(Contd. of page 8)

**· 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*  
*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. 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