

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

Printing date 27.09.2023

Version number 18 (replaces version 17)

Revision: 27.09.2023

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

- **1.1 Product identifier**
  - **Trade name: COMBIDIC-1K/S**
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - **Sector of Use** SU19 Building and construction work
  - **Technical function** Plating agent
  - **Application of the substance / the mixture** bituminous coating
  - **Uses advised against** Applications not mentioned above are not recommended.
  - **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
SCHOMBURG GmbH & Co. KG  
Aquafinstr. 2-8  
D-32760 Detmold  
Germany  
-----  
Tel: ++49 (0)5231/953-00  
Fax: ++49 (0)5231/953-123  
email: info@schomburg.de  
web: www.schomburg.de
  - **Informing department:**  
Department: Environment and Safety  
\*\*\*\*\*  
If you have any questions about the Environment and Safety Department, please contact our department.
- e-Mail: SDB@schomburg.de

**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:**  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
EUH210 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:** Modified anionic bitumen emulsion.

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- **Dangerous components:**

CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	0.005-<0.025%
EINECS: 220-120-9	☞ Eye Dam. 1, H318; ☞ Aquatic Acute 1, H400;	
Index number: 613-088-00-6	☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
	Specific concentration limit:	
	Skin Sens. 1; H317: C ≥0.05 %	

- **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**

- **General information**

Personal protection for the First Aider.

It is possible to choke in case of vomiting in unconsciousness.

Bring unconscious persons into a stable position on side.

Keep the respiratory tract free (remove dentures and vomiting).

Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.

Take up a doctor immediately!

- **After inhalation** Supply fresh air or oxygen; call for doctor.

- **After skin contact**

If skin irritation continues, consult a doctor.

If symptoms appearance, call the doctor.

Wash with water and soap.

- **After eye contact** Rinse opened eye for several minutes under running water.

- **After swallowing**

Rinse out mouth, don't drink water or eat something. Do not give household remedies (milk, alcohol etc.). Avert vomiting. Have medical treatment.

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

Show the packaging or the label to the doctor.

- **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** Product is not inflammable.

- **5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:** Wear self-contained breathing apparatus.

- **Additional information**

Product is inflammable during water-component is existing.

Follow the emergency-plan.

Burst- and explosion-danger by increasing pressure.

In case of fire chill the container with water spray.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Wear protective clothing.

Do not breath in vapour.

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Cleaning may be carried out only with skilled persons.

Avoid eye- and skin contact.

Bring persons out of danger.

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Keep dirty washing water for appropriate disposal.

Build barriers with sand, soil or other sealings.

Do not allow product to reach sewage system or water bodies.

Inform respective authorities in case product reaches water or sewage system.

The product may not leak out in sewerage system, stretch of water or soil.

· **6.3 Methods and material for containment and cleaning up:**

Allow to solidify. Collect mechanically.

· **6.4 Reference to other sections**

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Keep away from heat and direct sunlight.

Do not eat, drink, or smoke at work.

Avoid contact with eyes, skin and clothing.

Personal protective equipment see under section 8.

Do not keep food in the area of work.

Keep away from children.

· **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:**

Please follow the rules of the VCI-Storage-Concept for chemicals.

· **Further information about storage conditions:** Protect from frost.

· **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:**

**8052-42-4 Asphalt (25-50%)**

WEL Short-term value: 10 mg/m<sup>3</sup>

Long-term value: 5 mg/m<sup>3</sup>

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

· **8.2 Exposure controls**

· **Appropriate engineering controls**

It must be possible to wash the skin in the working area.

Eye-wash bottle must be available.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Be sure to clean skin thoroughly after work and before breaks.

· **Breathing equipment:** Not required.

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- **Hand protection**

Do not reuse one-way-gloves

Hand Protection: Nitril-rubber-latex-gloves.

In case of wearing synthetic protective gloves use cotton-gloves as underwear.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Mechanical protective glove with a coating of PVC or nitrile

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** Safety glasses recommended during refilling.

- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Black
· <b>Smell:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Not determined
· <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>	11-11.5
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Steam pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	0.8-0.85 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:** Pasty

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- **Important information on protection of health and environment, and on safety.**
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Solvent content:**
- **Solids content:** 0.0 %
- **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.
- **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:**
- 
- 8052-42-4 Asphalt**
- |        |            |  |
|--------|------------|--|
| Oral   | LD50       | >5,000 mg/kg (rats) (vgl. OECD 401)                          |
| Dermal | LD50       | >2,000 mg/kg (rabbit) (vgl. OECD 402)                        |
|        | LL/EL/IL50 | >1,000 mg/l (algae toxicity) ((72h) QSAR Computer)           |
|        |            | >1,000 mg/l (Daphnia (acute) toxicity) ((48h) QSAR Computer) |
|        |            | >1,000 mg/l (fish toxicity) ((96h) QSAR Computer)            |

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Trade name: **COMBIDIC-1K/S**

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**2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral LD50 670 mg/kg (rats) (OECD 401)

Dermal LD50 &gt;2,000 mg/kg (rats) (OECD 402)

- **Primary irritant effect:** No irritant action known.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Irritate-effect is possible.  
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:****8052-42-4 Asphalt**

LL50 &gt;1,000 mg/l (algae toxicity) ((72h) QSAR Computer)

&gt;1,000 mg/l (Daphnia (acute) toxicity) ((48h) QSAR Computer)

&gt;1,000 mg/l (fish toxicity) ((96h) QSAR Computer)

**2634-33-5 1,2-benzisothiazol-3(2H)-one**

EC 50 0.11 mg/kg /72h (Selenastrum capricornutum) (OECD 201)

LC50/96h 2.2 mg/l (rainbow trout) (OECD 203)

EC50 (48h) 3.27 mg/l (Daphnia (acute) toxicity) (OECD 202)

NOEC 1.2 mg/l /21d (Daphnia magna) (OECD 211)

0.04 mg/l /72h (Selenastrum capricornutum) (OECD 201)

0.21 mg/l /28d (rainbow trout) (OECD 215)

- **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 (Self-assessment): slightly hazardous for water.

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

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.

A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

## SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, IMDG, IATA</b>                            | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                           | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b>  | Not applicable. |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | Not applicable. |
| · <b>UN "Model Regulation":</b>   | 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.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.
- **Department issuing data specification sheet:** Environment protection department.
- **Contact:** Environment protection department.

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**· 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

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

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

**· \* Data compared to the previous version altered.**

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