

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.04.2024

Version number 2 (replaces version 1)

Revision: 03.04.2024

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

· 1.1 Product identifier

· Trade name: **ERFURT-KlimaTec-RapiBoard Systemkleber RB 10**· 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 Cementitious fine mortar

· Uses advised against Applications not mentioned above are not recommended.

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**Erfurt & Sohn KG
Wände zum Wohlfühlen
Hugo-Erfurt-Straße 1
42399 Wuppertal

www.erfurt.com

· **Informing department:**Ansprechpartner Herr Stephan Schmieder
Telefon : +49 (202) 6110 - 420
E-Mail : s.schmieder@erfurt.com

· 1.4 Emergency telephone number:

Poison centre Bonn (Germany): +49 (228) 19240 (24h available)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms** GHS05, GHS07· **Signal word** Danger· **Hazard-determining components of labelling:**Cement, portland, chemicals
calcium dihydroxide· **Hazard statements**H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.· **Precautionary statements**P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.

(Contd. on page 2)

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(Contd. of page 1)

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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:** Product based on cement and mineral filler.

Dangerous components:

CAS: 65997-15-1	Cement, portland, chemicals	50-100%
EINECS: 266-043-4	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 1305-62-0	calcium dihydroxide	<2.5%
EINECS: 215-137-3	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315; STOT SE 3, H335	

Additional information

The chromate content in cement is less than 2 ppm so that the labelling with H317 is not applicable (1907/2006/EG, Annex XVII (47)).
 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.
- **After inhalation** Supply fresh air or oxygen; call for doctor.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
In case of contact with skin, remove mechanically, wash thoroughly with plenty of soap and water.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
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** Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

- **Protective equipment:** Use personal protective clothing.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 Follow the emergency-plan.

GB

(Contd. on page 3)

Safety data sheet

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Trade name: **ERFURT-KlimaTec-RapiBoard Systemkleber RB 10**

(Contd. of page 2)

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up the product mechanically, avoid dust formation.
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Thorough dedusting.
Prevent formation of dust.
Keep out of the reach of 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:**
Keep container tightly sealed.
Store in a locked cabinet and out of the reach of children.
- **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:**
- 65997-15-1 Cement, portland, chemicals (50-100%)**
WEL Long-term value: 10* 4** mg/m³
*inhalable dust **respirable dust
- 1317-65-3 Calciumcarbonat (2.5-10%)**
WEL Long-term value: 10* 4** mg/m³
*inhalable dust; **respirable
- 1305-62-0 calcium dihydroxide (<2.5%)**
WEL Short-term value: 4* mg/m³
Long-term value: 5 1* mg/m³
*resprable fraction
- 1302-74-5 emery (<1%)**
WEL Long-term value: 10* 4** mg/m³
*inhalable dust, **respirable
- **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.04.2024

Version number 2 (replaces version 1)

Revision: 03.04.2024

Trade name: ERFURT-KlimaTec-RapiBoard Systemkleber RB 10

(Contd. of page 3)

· 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.

Keep away from foodstuffs, beverages and food.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Avoid contact with the eyes and skin.

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:** Use breathing protection in case of insufficient ventilation.

· **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.

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

· **Material of gloves**

Gloves made of: Nitrile rubber, butyl rubber.

(Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number).

When wearing protective gloves, cotton undergloves are recommended.

For activities using products containing cement, suitable protective gloves have been identified (GISCODES ZP1). Suitable are, for example

Ampri: SolidSafety Cut 081101 / SolidSafety Tough 081201 / SolidSafetyTough Dots 081202

Ansell: Flexitрил L27 / Fleximax 27 or 35 / Hylite / Nitrotough N210 / Sol-Knit

KCL: Sahara / Gobi / Nitex

MAPA: Duo-Mix 405 / Enduro 328 / Stansolv AK 22 / Titanlite 397 / Titansuperlite

UVEX: uvex Profi Ergo XG 20 / uvex phynomic pro

· **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 safety glasses.

In case of splashing use protecting basket-glasses.

· **Body protection:**

Contaminated protection clothes must be cleaned carefully before reuse.

Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**

· **Physical state**

Solid material.

· **Colour:**

Grey

· **Smell:**

Weak, characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Not determined

· **Boiling point or initial boiling point and boiling range**

not apply

· **Flammability**

Not determined.

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.04.2024

Version number 2 (replaces version 1)

Revision: 03.04.2024

Trade name: ERFURT-KlimaTec-RapiBoard Systemkleber RB 10

(Contd. of page 4)

· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Decomposition temperature:	Not determined.
· pH at 20 °C	11.6 (1%)
· Viscosity:	
· Kinematic viscosity	Not applicable.
· dynamic:	Not applicable.
· Solubility	
· Water:	miscible
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure:	Not applicable.
· Density and/or relative density	
· Density	bulk density
· Relative density	Not determined.
· Settled apparent density	0.8 kg/dm ³
· Vapour density	Not applicable.

· 9.2 Other information

· Appearance:	
· Form:	Powder
· 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:	
· Organic solvents:	0.0 %
· Change in condition	
· Evaporation rate	Not applicable.

· 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.

(Contd. on page 6)

Safety data sheet

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Version number 2 (replaces version 1)

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Trade name: **ERFURT-KlimaTec-RapiBoard Systemkleber RB 10**

(Contd. of page 5)

- **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:**
-
- 1305-62-0 calcium dihydroxide**
- | | | |
|--------|------|-------------------------------|
| Oral | LD50 | 7,340 mg/kg (rats) |
| Dermal | LD50 | >2,500 mg/kg (Kan) (OECD 402) |
- 544-17-2 Calciumformiat**
- | | | |
|--------|------|--------------------------------|
| Oral | LD50 | 3,050 mg/kg (rats) (OECD 401) |
| Dermal | LD50 | >2,000 mg/kg (rats) (OECD 402) |
- 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic**
- | | | |
|------------|----------|---------------------|
| Oral | LD50 | >5,000 mg/kg (rats) |
| Dermal | LD50 | >5,000 mg/kg (Kan) |
| Inhalative | LC50/4 h | >5 mg/l (rats) |
- **Skin corrosion/irritation** Causes skin irritation.
 - **Serious eye damage/irritation** Causes serious eye damage.
 - **STOT-single exposure** May cause respiratory irritation.
 - **11.2 Information on other hazards**
 - **Endocrine disrupting properties**
-
- None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
 - **Aquatic toxicity:**
-
- 1305-62-0 calcium dihydroxide**
- | | |
|------------|---------------------------|
| EC50 (48h) | 49.1 mg/l (Daphnia magna) |
|------------|---------------------------|
- 544-17-2 Calciumformiat**
- | | |
|------------|---|
| LC 0 | >1,000 mg/l /48h (Brachydanio rerio) |
| EC50 (48h) | >1,000 mg/l (Daphnia magna) (EPA-660/3-75-009) |
| EC50 | >1,000 mg/l /72h (Pseudokirchneriella subcapitata) (ASTM E-47.01) |
| NOEC | ≥100 mg/l /21d (Daphnia magna) (OECD 211) |
| | ≥22.1 mg/l /29d (bacterial toxicity) (OECD 306) |
- **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.

(Contd. on page 7)

Safety data sheet

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Trade name: **ERFURT-KlimaTec-RapiBoard Systemkleber RB 10**

(Contd. of page 6)

· **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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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.

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

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

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

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **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.

(Contd. on page 8)

Safety data sheet

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Trade name: ERFURT-KlimaTec-RapiBoard Systemkleber RB 10

(Contd. of page 7)

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **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**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** Hr. S. Schmieder

· **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

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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