



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

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

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

- **1.1 Product identifier**
- **Trade name: KEIM BLOCKWEISS**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Water based isolating primer for interior use.
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
KEIM MINERAL PAINTS LTD
Santok Building / Deer Park Way, Donnington Wood GB-Telford, Shropshire TF2 7NA
Tel +44 1952 231 250 / Fax +44 1952 231 251
www.keim.com / sales@keimpaints.co.uk
- **Further information obtainable from:**
David Pratt
Telefon: +44 1952 231250
E-Mail: sales@keimpaints.co.uk
- **1.4 Emergency telephone number:**
GBK GmbH Global Regulatory Compliance
Emergency number: +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 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 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
- **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:** Aqueous preparation based on synthetic resin, mineral fillers and pigments.

(Contd. on page 2)



Safety data sheet

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Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 1)

· Dangerous components:

CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	10-25%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	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	<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:**

With appearance of symptoms or in cases of doubt seek medical advice .
When seeing the doctor we suggest to present this safety data sheet.

· After inhalation:

Take affected persons into fresh air and keep quiet.
Seek medical treatment in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Do not use solvents or thinners.
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 mouth and throat well with water.
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:**

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

· For safety reasons unsuitable extinguishing agents: Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

carbon oxide (CO_x)
Nitrogen oxides (NO_x)
acrylic monomers

· 5.3 Advice for firefighters

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

(Contd. on page 3)



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

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 2)

· **Additional information**

- In case of fire do not breathe smoke, fumes and vapours.
- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
- The product itself is inflammable. The remaining polymer after ablating of the aqueous phase is flammable.
- Cool endangered receptacles with water spray.
- Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

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

- Avoid contact with skin and eyes.
- Do not inhale fumes.
- Ensure adequate ventilation
- Respect the protection rules (see section 7 a. 8).
- Particular danger of slipping on leaked/spilled product.

· **6.2 Environmental precautions:**

- Do not allow product to reach soil, sewage system or any water course.
- Follow local governmental rules and regulations.

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

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Close drainage (Risk of blocking due to polymer precipitation)
- Dispose of the material collected according to regulations.
- Clear contaminated areas thoroughly.

· **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**

- Keep receptacles tightly sealed.
- Avoid contact with skin and eyes.
- Do not inhale aerosols.
- Ensure good ventilation/exhaustion at the workplace.
- See item 8 for information about suitable protective equipment and technical precautions. Respect the protection rules.

· **Information about fire - and explosion protection:**

- Cool endangered receptacles with water spray.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

- Keep in the original containers in a cool and dry place.
- Store only in unopened original receptacles.

(Contd. on page 4)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 3)

- **Information about storage in one common storage facility:**
Do not store together with acids.
Do not store together with alkalis (caustic solutions).
Store away from oxidising agents.
- **Further information about storage conditions:**
Please note information on label
Protect from frost.
Protect from heat and direct sunlight.
- **Storage class:** 12
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

1332-58-7 KaolinWEL Long-term value: 2 mg/m³

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Do not inhale aerosols.
Wash hands before breaks and at the end of work.
Immediately remove all soiled and contaminated clothing
- **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
Combination filter A/P
- **Protection of hands:** Protective gloves
- **Material of gloves**
suitable material e.g.:
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.5 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**
Value for the permeation: Level ≥ 6 (480 min)
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 4)

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** See Section 12 and 6.2

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Fluid
· Colour:	White
· Odour:	Weak, characteristic
· Odour threshold:	Not determined.

· **pH-value at 20°C:** 5-6*

· Change in condition

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	~100°C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· Explosion limits:

· Lower:	Not applicable.
· Upper:	Not applicable.

· **Oxidising properties:** Not applicable.

· **Vapour pressure:** Not determined.

· Density at 20°C:	1.3-1.4* g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.

· **Solubility in / Miscibility with water:** miscible

· **Partition coefficient: n-octanol/water:** Not applicable.

· Viscosity:

· Dynamic at 20°C:	2500-3500* mPas
· Kinematic at 20°C:	100* s (DIN 53211/4)

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 5)

· 9.2 Other information

* The values are for freshly produced material and may change with the time.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **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:**
Acids
Bases
oxidizing agents
- **10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
carbon oxide (CO_x)
Nitrogen oxides (NO_x)
acrylic monomers
No hazardous decomposition products if stored and handled as prescribed.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:**1332-58-7 Kaolin**

Oral LD50 >5,000 mg/kg (rat)

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

Oral LD50 1,193 mg/kg (rat)

Dermal LD50 4,115 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Frequent persistent contact with the skin may cause skin irritation.
- **Serious eye damage/irritation** In case of longer exposure, irritating effect is possible.
- **during inhalation:** Irritant effect possible.
- **during swallowing:** Irritant effect possible
- **Respiratory or skin sensitisation**
Contains BIT. May produce an allergic reaction.
BIT = 1,2-benzisothiazol-3(2H)-one
- **Other information (about experimental toxicology):**
Experimental analysis are not available.

(Contd. on page 7)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 6)

The product was not tested. The statements on toxicology have been derived from the properties of the individual components.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** not applicable
- **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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

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

EC 50/48h	2.94 mg/l (daphnia)
ErC50/72h	0.11 mg/l (algae)
LC 50/96 h	2.18 mg/l (fish)

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

· Other information:

Elimination in biological waste water treatment plants is effected by flocculation, precipitation and adsorption on sewage sludge.

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

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

· Ecotoxicological effects:

· **Other information:** Pretreat waste water with help of precipitation.

· Additional ecological information:

· AOX-indication:

Due to the substance of content which do not include organic jointed halogens, the product can not take influence on the AOX-load of the waste water.

- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**

According to our current data base the product does not consist of any heavy metals or substances of EU-directives 76/464/EWG.

· General notes:

At present there are no ecotoxicological assessments.

Do not allow product to reach ground water, water course or sewage system.

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

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

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(Contd. on page 8)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.09.2017

Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 7)

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Disposal must be made according to official regulations.

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

· European waste catalogue

08 01 12 | waste paint and varnish other than those mentioned in 08 01 11

· Uncleaned packaging:

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

· Recommended cleansing agents: Water, if necessary with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, IMDG, IATA Void

· 14.2 UN proper shipping name

· ADR, IMDG, IATA Void

· 14.3 Transport hazard class(es)

· ADR, 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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

· Transport/Additional information:

No dangerous good in sense of these transport regulations.

· 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.

(Contd. on page 9)



Safety data sheet

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Version number 12

Revision: 25.09.2017

Trade name: KEIM BLOCKWEISS

(Contd. of page 8)

- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** not applicable
- **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**

- 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 SDS:** KEIMFARBEN Germany, Product safety department

· **Abbreviations and acronyms:**

- 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)
- TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
- 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
- REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)
- 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.**