



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

Printing date 03.05.2021


Version number 15.0

Revision: 03.05.2021

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

- **1.1 Product identifier**
- **Trade name: KEIM ISOLIERWEISS-KOMP.A**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**  
Pasty component for mixing of KEIM Isolierweiss / I.W.Primer (insulating agent).
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIMFARBEN GMBH  
Keimstraße 16 / 86420 Diedorf  
Tel. +49 (0)821 4802-0  
Fax +49 (0)821 4802-210  
www.keim.com / info@keimfarben.de
- **Further information obtainable from:**  
Product safety department  
Telefon: 49(0)821/4802-138  
E-Mail: sdb.info@keimfarben.de
- **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**  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
2-methylisothiazol-3(2H)-one  
1,2-benzisothiazol-3(2H)-one, 2-methyl  
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)
- **Hazard statements**  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P102 Keep out of reach of children.

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- P261 Avoid breathing mist/vapours/spray.  
P280 Wear protective gloves / protective clothing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container in accordance with regional/national regulations.

**Additional information:**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**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:** Watery copolymer-dispersion.

**Dangerous components:**

CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119486799-10-xxxx	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 $\mu$ m] 	2.5-10%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9	2-methylisothiazol-3(2H)-one  Specific concentration limit: Skin Sens. 1A; H317: C $\geq$ 0.0015 %	$\geq$ 0.025-<0.1%

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CAS: 2527-66-4	1,2-benzisothiazol-3(2H)-one, 2-methyl ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.01%
CAS: 55965-84-9 EC number: 611-341-5 Index number: 613-167-00-5	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (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 < 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 %	<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

##### · **General information:**

Immediately remove any clothing soiled by the product.

When seeing the doctor we suggest to present this safety data sheet.

##### · **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

##### · **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.

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### 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 resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
carbon oxide (CO<sub>x</sub>)  
silicon dioxid (SiO<sub>2</sub>)  
acrylic monomers
- **5.3 Advice for firefighters**
- **Specila protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
The product itself is not inflammable. The remaining polymer after ablating of the aqueous phase is flammable.  
In case of fire do not breathe smoke, fumes and vapours.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Respect the protection rules (see section 7 a. 8).  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
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 drainages (risk of blocking due to polymer precipitation)  
Ensure adequate ventilation.  
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.

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Ensure good ventilation/exhaustion at the workplace.

See item 8 (8.2) for information about suitable protective equipment and technical precautions.

Respect the protection rules.

- **Information about fire - and explosion protection:** No special measures required.

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

- **Storage:**

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

Store only in the original receptacle.

Unsuitable material for receptacles and pipes:

iron and ferrous metals

Aluminium

Suitable material for receptacles and pipes:

Polyethylene

Stainless steel

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Store receptacle in a well ventilated area.

Store in a cool place.

Protect from heat and direct sunlight.

Protect from frost.

- **Storage class:** 12

- **General information:** Stir up well before use.

- **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:**

**13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**AGW (Germany) Long-term value:  $1.25^* 10^{**} \text{ mg/m}^3$   
2(II);\*alveolengängig\*\*einatembar; AGS, DFG**2682-20-4 2-methylisothiazol-3(2H)-one**MAK (Germany) Long-term value:  $0.2 \text{ E mg/m}^3$   
vgl. Abschn. Xc**55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)**MAK (Germany) Long-term value:  $0.2\text{E mg/m}^3$   
vgl.Abschn.Xc

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

- **8.2 Exposure controls**

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

- **General protective and hygienic measures:**

Avoid contact with the eyes and skin.

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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

· **Hand protection** Protective gloves

· **Material of gloves**

suitable material e.g.:

Nitrile impregnated cotton-gloves

Neoprene gloves

Recommended thickness of the material:  $\geq 0.5$  mm

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.7$  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  $\geq 6$  (480 min)

The determined penetration times according to EN 16523-1:2015 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/face protection** Safety glasses

· **Body protection:** Protective work clothing

· **Environmental exposure controls**

See Section 12 and 6.2

No further relevant information available.

### SECTION 9: Physical and chemical properties

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

· **General Information**

· **Colour:**

White

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined

· **Melting point/freezing point:**

Not determined

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

~100 °C

· **Flammability**

Not applicable

· **Lower and upper explosion limit**

· **Lower:**

Not applicable

· **Upper:**

Not applicable

· **Flash point:**

Not applicable

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· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Decomposition temperature:</b>	Not determined
· <b>pH at 20 °C</b>	7.8*
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined
· <b>Dynamic at 20 °C:</b>	700-1100* mPas
· <b>Solubility</b>	
· <b>water:</b>	Miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	Not applicable
· <b>Vapour pressure at 20 °C:</b>	~23 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.1-1.2* g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined
· <b>Vapour density</b>	Not applicable.
· <b>9.2 Other information</b>	Product sprays when boiling * The values are for freshly produced material and may change with the time.
· <b>Appearance:</b>	
· <b>Form:</b>	Pasty
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Not determined
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Change in condition</b>	
· <b>Softening point/range</b>	
· <b>Oxidising properties:</b>	Not applicable
· <b>Evaporation rate</b>	Not applicable.
· <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

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· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### 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:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
At high temperature formation of flammable and harmful products.  
In case of fire, the following can be released:  
Carbon oxides (COx)  
silicon dioxid (SiO<sub>2</sub>)  
acrylic monomers  
No hazardous decomposition products if stored and handled as prescribed.

### 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 relevant for classification:****13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

Inhalative	ATE mix (4h)	>5 mg/l (inhalation)
	ATE mix	>2,000 mg/kg (dermal) >2,000 mg/kg (orally)
	NOAEL	3,500 mg/kg /Oral (rat) (90d)

**2682-20-4 2-methylisothiazol-3(2H)-one**

Oral	LD50	235 mg/kg (rat) (männlich) 183 mg/kg (rat) (weiblich)
Dermal	LD50	242 mg/kg (rat) (OECD 402)

**2527-66-4 1,2-benzisothiazol-3(2H)-one, 2-methyl**

Oral	LD50	175 mg/kg (rat)
Dermal	LD50	>200-2,000 mg/kg (rat)
	ATE mix	1,100 mg/kg (dermal)

- **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.

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- **during inhalation:** Irritant effect possible.
- **during swallowing:** Irritant effect possible
- **Respiratory or skin sensitisation**  
Contains MIT, CIT/MIT (3:1), M-BIT.  
MIT = 2-methylisothiazol-3(2H)-one  
CIT = 5-chloro-2- methyl-2H-isothiazol-3-one  
M-BIT = 1,2-benzisothiazol-3(2H)-one, 2-methyl
- **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.
- **Other information (about experimental toxicology):**  
Experimental analysis are not available.  
The product was not tested. The statements on toxicology have been derived from the properties of the individual components.
- **Subacute to chronic toxicity:**

**Repeated dose toxicity****13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**Inhalative | NOAEC | 10 mg/m<sup>3</sup> (rat) (90d)

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

**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

NOEC	$\geq 100,000$ mg/kg (sediment fresh water)
EC50	$> 100$ mg/kg (freshwater alga) (OECD 201)
EC 50	$> 10,000$ mg/l (algae) (ISO 10253)
LC 50	$> 10,000$ mg/l (marine fish) (OECD 203)
	$> 1,000$ mg/l (freshwater fish) (EPA-540/9-85-006)
	$> 1,000$ mg/l (daphnia) (OECD 202)

**2682-20-4 2-methylisothiazol-3(2H)-one**

NOEC	2.1 mg/l (fish) (33d)
	0.04 mg/l (daphnia) (21d)

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EC 50/72 h	0.158 mg/l (algae) (OECD 201)
LC 50/96 h	4.77 mg/l (Oncorhynchus mykiss) (OECD 203)
LC 50/48h	0.93-1.9 mg/l (daphnia)
LC50/EC50/IC50	<1 mg/l (fish)
<b>2527-66-4 1,2-benzisothiazol-3(2H)-one, 2-methyl</b>	
NOEC	0.068 mg/l (algae) (72h) 0.16 mg/l (fish) (32d) 0.42 mg/l (daphnia) (21d)
EC 50/48h	0.92 mg/l (daphnia) (OECD 202)
EC 50/96h	0.71 mg/l (algae)
ErC50/72h	0.33 mg/l (algae) (OECD 201)
LC 50/96 h	1.5 mg/l (fish) (OECD 203) 0.24 mg/l (Oncorhynchus mykiss) (OECD 203)
LC 50/48h	0.48 mg/l (invertebrates)
LC50/EC50/IC50	<1 mg/l (fish)
ErC50	0.23 mg/l (algae) (7d)
<b>55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)</b>	
NOEC	0.02 mg/l /36d (fish) 0.1 mg/l /21d (daphnia)
NOEC	0.4 mg/kg /28d (soil microorganisms) 0.27 mg/kg /28d (sediment marine water)
EC 50/48h	0.16 mg/l (daphnia)
EC 50/3h	4.5 mg/l (Mikroorganismus)
ErC50/72h	0.0063 mg/l (algae)
LC 50/96 h	0.19 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**

**2527-66-4 1,2-benzisothiazol-3(2H)-one, 2-methyl**

LogPow | 1.4 (n-Octanol/ H<sub>2</sub>O)

· **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** No further relevant information available.

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

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- **Additional ecological information:**
- **AOX-indication:**  
The product can take influence in small measure 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:**  
The product contains TiO<sub>2</sub>.
- **General notes:**  
At present there are no ecotoxicological assessments.  
The statements on ecotoxicology have been derived from the properties of the individual components.  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.

· **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary with cleansing agents.

### SECTION 14: Transport information

- |  |                |
|--|----------------|
| · <b>14.1 UN number or ID number</b>       |                |
| · <b>ADR, IMDG, IATA</b>                   | Void           |
| · <b>14.2 UN proper shipping name</b>      |                |
| · <b>ADR, IMDG, IATA</b>                   | Void           |
| · <b>14.3 Transport hazard class(es)</b>   |                |
| · <b>ADR, IMDG, IATA</b>                   |                |
| · <b>Class</b>                             | Void           |
| · <b>14.4 Packing group</b>                |                |
| · <b>ADR, IMDG, IATA</b>                   | Void           |
| · <b>14.5 Environmental hazards:</b>       |                |
| · <b>Marine pollutant:</b>                 | No             |
| · <b>14.6 Special precautions for user</b> | Not applicable |

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- |   |  |
|---|--|
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable   |
| · <b>Transport/Additional information:</b>                            | No dangerous good in sense of these transport regulations. |
| · <b>UN "Model Regulation":</b>                                       | Void   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
For information on labelling please refer to section 2 of this document.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**  
None of the ingredients is listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**  
None of the ingredients is listed.
- **National regulations:**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Please note:**  
TRGS 200 (Germany)  
TRGS 500 (Germany)  
TRGS 510 (Germany)  
TRGS 900 (Germany)
- **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable
- **Product-Code/Giscode:** BSW50
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

DEN

(Contd. on page 13)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.05.2021

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Revision: 03.05.2021

**Trade name: KEIM ISOLIERWEISS-KOMP.A**

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### 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.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

· **Department issuing SDS:** KEIMFARBEN Germany, Product safety department

· **Version number of previous version:** 14.0

#### · **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)
  - 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
  - AGW: Arbeitsplatzgrenzwert (Germany)
  - EC10: Effective concentration at 10% mortality rate.
  - EC50: Half maximal effective concentration.
  - LC10: Lethal concentration at 10% mortality rate.
  - NOEC: No observed effect concentration.
  - REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)
  - 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
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Skin Sens. 1A: Skin sensitisation – Category 1A
  - Carc. 2: Carcinogenicity – Category 2
  - 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
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- \* **Data compared to the previous version altered.**