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

Printing date 22.06.2022 Version number 17.0 (replaces version 16.0) Revision: 20.06.2022

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

- · 1.1 Product identifier
- · Trade name: KEIM REVERSIL
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture Reversible protective coating 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:

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 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 Void
- · Signal word Void
- · Hazard statements

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P280 Wear protective gloves / protective clothing.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with regional/national regulations.

Additional information:

EUH208 Contains reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

· Note:

These are preservatives.

Avoid contact with the skin and eyes.

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· 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 aqueous synthetic resin 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 ≤ 10 μm] ③ Carc. 2, H351	2.5-10%
CAS: 1314-98-3 EINECS: 215-251-3 Reg.nr.: 01-2119475779-15- xxxx	zinc sulphide substance with a Community workplace exposure limit	<2%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32- 0043	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2%
CAS: 108-01-0 EINECS: 203-542-8 Index number: 603-047-00-0 Reg.nr.: 01-2119492298-24- XXXX	2-dimethylaminoethanol	<0.2%

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CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	<0.02%
EINECS: 220-120-9	Acute Tox. 2, H330; Eye Dam. 1, H318;	
Index number: 613-088-00-6	Aquatic Acute 1, H400; Aquatic Chronic 2, H411;	
Reg.nr.: 01-2120761540-60- XXXX	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens.	
	1, H317 Specific concentration limit:	
	Skin Sens. 1; H317: C ≥0.05 %	
CAC, FEOCE OA O	,	40 004E0/
CAS: 55965-84-9 EC number: 611-341-5	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3- one and 2-methyl-2H-isothiazol-3- one (3:1)	<0.0015%
Index number: 613-167-00-5	Acute Tox. 3, H301; Acute Tox. 2, H310; Acute	
Reg.nr.: 01-2120764691-48-	Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1,	
XXXX	H318; Aquatic Acute 1, H400 (M=100); Aquatic	
	Chronic 1, H410 (M=100); (1) 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 %	

[·] 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:

No special measures required.

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

- · After inhalation: Supply fresh air; consult doctor 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.



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SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or 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 (COx)

Nitrogen oxides (NOx)

Hydrogen cyanide (HCN)

Hydrogen fluoride (HF)

- 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.

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

Avoid contact with skin and eves.

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).

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.

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

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· Information about fire - and explosion protection:

The product is not flammable. 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 unopened original receptacles.

Keep in the original containers in a cool and dry place.

- 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 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

· Ingredien	ts with	limit values that requ	uire monitoring at the workplace:	
13463-67-		ium dioxide [in pow dynamic diameter ≤ 1	vder form containing 1 % or more of particles with 0 µm]	
AGW (Ge	rmany)	ny) Long-term value: 1.25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG, Y		
1314-98-3	zinc s	ulphide		
MAK (Ger	MAK (Germany) Long-term value: 0.1A* 2E** mg/m³ *alveolengängig; **einatembar			
2634-33-5	2634-33-5 1,2-benzisothiazol-3(2H)-one			
MAK (Ger	many)	vgl.Abschn.IIb und Xc	;	
55965-84-		tion mass of 5-chlo iazol-3- one (3:1)	ro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-	
MAK (Germany) Long-term value: 0.2E mg/m³ vgl.Abschn.Xc			E mg/m³	
· DNELs				
1314-13-2	zinc o	xide		
Oral	Long-to	erm - systemic effects	0.83 mg/kg bw/day (consumer) (50 mg Zn/day)	
Dermal	Long-term - systemic effects		83 mg/kg bw/day (worker)	
	Long-term - systemic effects		83 mg/kg bw/day (consumer) (5000 mg Zn/day)	
Inhalative	Inhalative Long-term - systemic effects		5 mg/m³ (worker)	
	Long-to	erm - systemic effects	2.5 mg/m³ (consumer)	
	Long-to	erm - local effects	0.5 mg/m³ (worker)	

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108-01-0	2-dimethylaminoethanol			
Dermal	Long-term - systemic effects	1.04 mg/	1.04 mg/kg bw/day (worker)	
	Acute - systemic effects	5 mg/kg/	/day (worker)	
Inhalative	Acute - systemic effects	22 mg/m	³ (worker)	
		m³ (worker)		
PNECs				
1314-13-2	zinc oxide			
Aquatic co	ompartment - freshwater		0.0206 mg/l (Freshwater)	
Aquatic compartment - marine water		0.0061 mg/l (Seawater)		
Aquatic compartment - sediment in freshwater		nwater	117.8 mg/kg sed dw (Freshwater sediment)	
Aquatic compartment - sediment in marine water		56.5 mg/kg sed dw (Marine sediment)		
Terrestrial compartment - soil		35.6 mg/kg dw (soil)		
Sewage treatment plant		0.1 mg/l (Sewage treatment plant)		
108-01-0	2-dimethylaminoethanol			
Aquatic compartment - freshwater			0.0661 mg/l (Freshwater)	
Aquatic compartment - marine water		0.0066 mg/l (Seawater)		
Aquatic compartment - sediment in freshwater		0.0529 mg/kg sed dw (Freshwater sediment)		
Terrestrial compartment - soil		0.0177 mg/kg dw (soil)		
Sewage treatment plant		10 mg/l (Sewage treatment plant)		

- · 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.

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

Butyl rubber, BR

PVC or PE gloves

Recommended thickness of the material: $\geq 0.5 \text{ mm}$

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.

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· Penetration time of glove material

Value for the permeation: level > 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 Goggles recommended during refilling

· 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

· Physical state Fluid

· Colour: Different, according to colouring.

· Odour: Characteristic · Odour threshold: Not determined · Melting point/freezing point: Not determined

Boiling point or initial boiling point and

boiling range Not determined · Flammability Not applicable

· Lower and upper explosion limit

· Lower: Not applicable · Upper: Not applicable · Flash point: Not applicable · Ignition temperature: Not determined · Decomposition temperature: Not determined

· pH at 20 °C ~8*

· Viscosity:

· Kinematic viscosity Not determined · Dynamic at 20 °C: 1.000-1.800* mPas

· Solubility

· water: Fully miscible

Partition coefficient n-octanol/water (log

Not determined. value) · Vapour pressure: Not determined.

· Density and/or relative density

Density at 20 °C: 1.5-1.7* g/cm³ · Relative density Not determined · Vapour density Not applicable.

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· 9.2 Other information * The values are for freshly produced material

and may change with the time.

· Appearance:

· Form: Pasty

· Important information on protection of health

and environment, and on safety.

· Auto-ignition temperature: Product is not selfigniting.

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

Change in condition Softening point/range

Oxidising properties: Not applicable · 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 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:

In case of fire, the following can be released:

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Poisonous gases/vapours Carbon oxides (COx) Nitrogen oxides (NOx) Hydrogen fluoride (possible HCN)

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.

	oxide [in powder form containing 1 % or more of particles with c diameter ≤ 10 μm]	
ATE mix (4h)	>5 mg/l (inhalative)	
ATE mix	>2,000 mg/kg (dermal)	
	>2,000 mg/kg (orally)	
NOAEL	3,500 mg/kg /Oral (rat) (90d)	
zinc oxide		
_D50	>5,000 mg/kg (rat)	
dimethylami	noethanol	
_D50	1,187 mg/kg (rat) (OECD 401)	
rmal LD50 1,219 mg/kg (rabbit) (OECD 402)		
_C50/4 h	6 mg/l (rat) (OECD 403)	
	NOAEL inc oxide .D50 dimethylami .D50 .D50	

- · 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 CIT/MIT (3:1), BIT. May produce an allergic reaction. CIT = 5-chloro-2- methyl-2H-isothiazol-3-one

MIT = 2-methylisothiazol-3(2H)-one

BIT = 1,2-benzisothiazol-3(2H)-one

- · 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.

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· Subacute to chronic toxicity:

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· Repeated dose toxicity

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

Inhalative NOAEC 10 mg/m³ (rat) (90d)

- CMR effects (carcinogenity, 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 tox	•
	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μ m]
NOEC	≥100,000 mg/kg (Freshwater sediment) Hyalella azteca
EC50	>100 mg/kg (Freshwater algae) (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)
1314-13-2 zi	nc oxide
EC 50/48h	0.67 mg/l (daphnia)
ErC50/72h	0.21 mg/l (algae) (pH >7 - 8,5; Zn (ZnO))
108-01-0 2-c	limethylaminoethanol
EC 20/30mir	n >1,000 mg/l (activated sludge)
EC 50/48h	98.4 mg/l (daphnia)
EC 50/72 h	34.5 mg/l (algae)
EC 50	>1,000 mg/l (bacteria) (30min)
LC 50/96 h	146.6 mg/l (fish)
EC 10/0,5h	>1,000 mg/l (activated sludge)
2634-33-5 1,	2-benzisothiazol-3(2H)-one
NOEC	0.04 mg/l /72h (algae) (OECD 201) S 2238
	1.2 mg/l /21d (daphnia) (OECD 211) S 803
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NOEC	0.21 mg/kg /28d (fish) (OECD 215) S 805	
EC 50/48h	3.27 mg/l (daphnia) (OECD 202) S 2240	
EC 50/3h	13 mg/l (sewage sludge) (OECD 209) S 2747	
EC 50/72 h	0.11 mg/l (algae) (OECD 201) S 2238	
EC20/3h	3.3 mg/l (sewage sludge) (OECD 209) S 2747	
LC 50/96 h	1.6 mg/l (fish) (OECD 203) S 2746	
55965-84-9 re	eaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-	
is	sothiazol-3- one (3:1)	
NOEC	0.0012 mg/l /72h (algae) (OECD 201) S 1322	
	0.098 mg/l /28d (fish) (OECD 215) S 117	
	0.004 mg/l /21d (daphnia) (OECD 211) S 52	
EC 50/48h	0.0052 mg/l (algae) (ISO 10253) RAC	
	0.1 mg/l (daphnia) (OECD 202) S 52	
EC 50/3h	7.92 mg/l (sewage sludge) (OECD 209) S 418	
EC 50/72 h	0.048 mg/l (algae) (OECD 201) S 1322	
EC20/3h	0.97 mg/l (sewage sludge) (OECD 209) S 418	
LC 50/96 h	0.22 mg/l (fish) (OECD 203) S 6	

- 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.

· Log POW			
108-01-0 2-dimethylaminoethanol -0,55 (23°C)			
Bioconcent	tration factor (BCF)		
2634-33-5	1,2-benzisothiazol-3(2H)-one	6,95 (Fish)	
55965-84-9	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)	3,16	
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- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- PBT: Not applicablevPvB: 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:
- · 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 TiO2, ZnO, ZnS.

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 1 (German Regulation) (Self-assessment): slightly 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

- 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 or ID 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

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· 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 IMO instruments 	ing to Not applicable
· Transport/Additional information:	No dangerous good in sense of these transporregulations.
· UN "Model Regulation":	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.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- · National regulations:
- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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- 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.

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

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H312 Harmful 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.
- H330 Fatal if inhaled.
- H331 Toxic 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: 16.0
- 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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

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

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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)

Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B 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

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.