


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

- **1.1 Product identifier**
- **Trade name:** Weko RK 2
- **Article number:** 808505
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Schill + Seilacher GmbH
Schönaicher Strasse 205
D-71032 Böblingen
Tel.: +49 7031 282-0
Fax: +49 7031 282-160
- **Informing department:**
Product Safety Department
Tel.: +49 7031 282-126, -330
Fax: +49 7031 282-9251
E-Mail: product.safety@schillseilacher.de
- **1.4 Emergency telephone number:** Tel.: +441865407333 NCEC

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**
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GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
1,3,5-tris-(2-hydroxyethyl)-1,3,5-hexahydrotriazine
1,2-benzisothiazol-3(2H)-one
2-Methyl-2H-isothiazol-3-one
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P404 Store in a closed container.
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.

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SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Aqueous solution of surfactants and disinfectants

· **Dangerous components:**

CAS: 4719-04-4 EINECS: 225-208-0 Reg.nr.: 01-2119529226-41	1,3,5-tris-(2-hydroxyethyl)-1,3,5-hexahydrotriazine Acute Tox. 2, H330; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.1 %	≥2.5-<10%
CAS: 102782-43-4	Undecyl alcohol, ethoxylated, propoxylated Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥1-<2.5%
CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: n.a., Biocide	1,2-benzisothiazol-3(2H)-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limits: Skin Sens. 1; H317: C ≥ 0.05 % Aquatic Acute 1; H400: C ≥ 25 % Aquatic Chronic 2; H411: C ≥ 25 % Aquatic Chronic 3; H412: 2.5 % ≤ C < 25 %	≥0.1-<1%
CAS: 2682-20-4 EINECS: 220-239-6	2-Methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Skin Sens. 1, H317	≥0.1-<1%

- **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** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air and call for doctor for safety reasons.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult 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:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.
 See Section 13 for information on disposal.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
 The usual precautionary measures should be adhered to in handling the chemicals.
 Instantly remove any soiled and impregnated garments.
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Use breathing protection only when aerosol or mist is formed.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Nitrile rubber, NBR
- **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 protection:** Safety glasses
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Colourless
Smell:	Characteristic
Odour threshold:	Not determined.
- **pH-value at 20 °C:** ~ 11.0
- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C (H ₂ O)
- **Flash point:** Not applicable
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Product is not self-ignitable
- **Explosive properties:** Product is not explosive.
- **Vapour pressure at 20 °C:** 23 hPa (H₂O)
- **Density at 20 °C** ~ 1.0 g/cm³

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· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **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:** None

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 that are relevant for classification:		
Inhalative	LC50/4 h	>10 mg/l (rat) (ATE mix dust/mist)

Inhalative LC50/4 h >10 mg/l (rat) (ATE mix dust/mist)		
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4719-04-4 1,3,5-tris-(2-hydroxyethyl)-1,3,5-hexahydrotriazine		
Oral	LD50	500-2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.37 mg/l (rat)

102782-43-4 Undecyl alcohol, ethoxylated, propoxylated		
Oral	LD50	>2,000 mg/kg (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one		
Oral	LD50	532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.4 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one		
Oral	LD50	532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.4 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one		
Oral	LD50	532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.4 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one		
Oral	LD50	532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.4 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****4719-04-4 1,3,5-tris-(2-hydroxyethyl)-1,3,5-hexahydrotriazine**

LC50/96h	118 mg/l (fish)
EC20/0,5h	170 mg/l (activated sludge)
EC50/48h	26.1 mg/l (Daphnia magna)
EC50/72h	6.66 mg/l (Desmodesmus subspicatus)

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

LC50/96h	1.6 mg/l (Oncorhynchus mykiss)
EC50/48h	3.27 mg/l (Daphnia magna)
EC50/72h	0.11 mg/l (Selenastrum capricornutum) (OECD 201)
NOEC	1.2 mg/l (Daphnia magna) (OECD 211)
	0.21 mg/l (Oncorhynchus mykiss) (OECD 215)

2682-20-4 2-Methyl-2H-isothiazol-3-one

LC50/96h	6 mg/l (Oncorhynchus mykiss)
EC50/48h	1.6 mg/l (Daphnia magna)
EC50/72h	157 mg/l (Pseudokirchneriella subcapitata)
EC50/16h	2.3 mg/l (Pseudomonas putida)

· **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.· **Additional ecological information:**· **General notes:** Do not allow product to reach ground water or water bodies.· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed of together with household waste. Do not allow product to reach sewage system.
 Must be specially treated under adherence to official regulations.

· **Uncleaned packagings:**· **Recommendation:** Packaging can be reused or recycled after cleaning.· **Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, ADN, IMDG, IATA**

Not applicable

· **14.2 UN proper shipping name**· **ADR, ADN, IMDG, IATA**

Not applicable

· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class**

Not applicable

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· 14.4 Packing group	
· ADR, IMDG, IATA	Not applicable
· 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.
· UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant phrases**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic 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.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

· **Department issuing data specification sheet:** Product Safety Department

· **Abbreviations and acronyms:**

- GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- 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)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- 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 Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute 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.**