

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Scheiben-Reiniger-Super-Konzentrat 250 mL

Art.: 1519

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

- Window cleaner
- Sector of use [SU]:
- SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU21 - Consumer uses: Private households (=general public = consumers)
- SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Chemical product category [PC]:
- PC35 - Washing and cleaning products
- Process category [PROC]:
- PROC 7 - Industrial spraying
- PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- PROC11 - Non industrial spraying
- Article Categories [AC]:
- AC99 - Not required.
- Environmental Release Category [ERC]:
- ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- ERC 7 - Use of functional fluid at industrial site
- ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC 8d - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH
 Jerg-Wieland-Str. 4
 89081 Ulm-Lehr
 Tel.: (+49) 0731-1420-0
 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de; k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

...
Telephone number of the company in case of emergencies:
 +49 (0) 700 /24 112 112 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class

Skin Irrit. 2
 Eye Dam. 1
 Skin Sens. 1

Hazard category

H315-Causes skin irritation.
 H318-Causes serious eye damage.
 H317-May cause an allergic skin reaction.

Hazard statement

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H315-Causes skin irritation. H318-Causes serious eye damage. H317-May cause an allergic skin reaction.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.
 P261-Avoid breathing vapours or spray. P280-Wear protective gloves / eye protection / face protection.
 P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310-Immediately call a POISON CENTER / doctor. P333+P313-If skin irritation or rash occurs: Get medical advice / attention.
 P501-Dispose of contents / container to an approved waste disposal facility.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
 Alcohols, C12-14, ethoxylated, sulfates, sodium salts
 Sulfonic acids, C14-17-sec-alkane, sodium salts
 2-methylisothiazol-3(2H)-one

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

3.2 Mixture

Registration number (REACH)	Substance with specific conc. limit(s) acc. to REACH-registration
Index	---
EINECS, ELINCS, NLP	500-234-8 (NLP) 68891-36-3
CAS	10-25
content %	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Classification according to Regulation (EC) 1272/2008 (CLP)	

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Sulfonic acids, C14-17-sec-alkane, sodium salts	Substance with specific conc. limit(s) acc. to REACH-
Registration number (REACH)	01-211948924-20-XXXX
Index	---
EINECS, ELINCS, NLP	307-055-2
CAS	97469-15-1
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Disooctyl sulfosuccinate, sodium salt	Registration number (REACH)
Index	01-2119491296-29-XXXX
EINECS, ELINCS, NLP	---
CAS	209-406-4 577-11-7
content %	1-<3
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Irrit. 2, H315 Eye Dam. 1, H318

2-methylisothiazol-3(2H)-one	Registration number (REACH)
Index	---
EINECS, ELINCS, NLP	613-326-00-9 220-239-6 2682-20-4
CAS	0.0015-0.01
content %	0.0015-0.01
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Registration number (REACH)
Index	---
EINECS, ELINCS, NLP	613-187-00-5
CAS	---
content %	55965-84-9
Classification according to Regulation (EC) 1272/2008 (CLP)	0.0001-0.0015 Acute Tox. 3, H301 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Eye Dam. 1, H318 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Acute Tox. 2, H310 Acute Tox. 2, H330

Impurities, test data and additional information may have been taken into account in classifying and labelling the product. For the text of the H-phrases and classification codes (GHS/CLP), see Section 16. The substances named in this section are given with their actual, appropriate classification! For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

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Never pour anything into the mouth of an unconscious person!

Inhalation
 Supply person with fresh air and consult doctor according to symptoms.

Skin contact
 Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact
 Remove contact lenses.
 Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.
 Protect uninjured eye.
 Follow-up examination by an ophthalmologist.

Ingestion
 Rinse the mouth thoroughly with water.
 Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
 If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
 In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed
 Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product does not burn.
 Adapt to the nature and extent of fire.

Unsuitable extinguishing media

None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon
 Oxides of sulphur
 Toxic gases

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.2 Environmental precautions

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Diluting with water is possible.

Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

- Ensure good ventilation.
- Avoid aerosol formation.
- Avoid contact with eyes or skin.
- Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
- Observe directions on label and instructions for use.
- Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

- General hygiene measures for the handling of chemicals are applicable.
- Wash hands before breaks and at end of work.
- Keep away from food, drink and animal feedings.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

- Keep out of access to unauthorised individuals.
- Store product closed and only in original packing.
- Not to be stored in gangways or stair wells.
- Store at room temperature.
- Protect from frost.

7.3 Specific end use(s)

No information available at present

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Environment - freshwater		PNEC	0.24	mg/l	
	Environment - periodic release		PNEC	0.13	mg/l	
	Environment - marine		PNEC	0.024	mg/kg dry weight	
	Environment - sediment, freshwater		PNEC	5.45	mg/kg dry weight	
	Environment - sediment, marine		PNEC	0.545	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	10000	mg/l	
	Environment - soil		PNEC	0.946	mg/kg dry weight	
	Environment - sporadic (intermittent) release		PNEC	0.071	mg/l	
	Environment - sediment, freshwater	Short term	PNEC	0.917	mg/kg	
	Environment - sediment, marine	Short term	PNEC	0.092	mg/kg	
Consumer	Environment - soil	Short term	PNEC	7.5	mg/kg	
	Human - dermal	Long term, local effects	DNEL	0.079	mg/cm2	

Consumer	Human - oral	Long term, systemic effects	DNEL	15	mg/kg bw/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	1650	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	52	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2750	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	175	mg/m3	
Workers / employees	Human - dermal	Long term, local effects	DNEL	0.132	mg/cm2	

Sulfonic acids, C14-17-sec-alkane, sodium salts

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0.04	mg/l	
	Environment - marine		PNEC	0.004	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0.06	mg/l	
	Environment - sediment, freshwater		PNEC	9.4	mg/kg dw	
	Environment - sediment, marine		PNEC	0.94	mg/kg dw	
	Environment - soil		PNEC	9.4	mg/kg dw	
	Environment - sewage treatment plant		PNEC	600	mg/l	
	Environment - oral (animal feed)		PNEC	53.3	mg/kg feed	
	Environment - periodic release		DNEL	0	mg/kg	
	Human - dermal	Long term, systemic effects	DNEL	3.57	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	12.4	mg/m3	
	Human - oral	Long term, systemic effects	DNEL	7.1	mg/kg bw/d	
Consumer	Human - dermal	Short term, local effects	DNEL	2.8	mg/cm2	
	Human - dermal	Long term, local effects	DNEL	2.8	mg/cm2	
Workers / employees	Human - dermal	Short term, local effects	DNEL	2.8	mg/cm2	
	Human - dermal	Long term, systemic effects	DNEL	5	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	35	mg/m3	
	Human - dermal	Long term, local effects	DNEL	2.8	mg/cm2	

Disooctyl sulfosuccinate, sodium salt

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0.18	mg/l	
	Environment - marine		PNEC	0.018	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0.066	mg/l	
	Environment - sewage treatment plant		PNEC	12.2	mg/l	

Environment - sediment, freshwater	PNEC	17789	mg/kg dry weight
Environment - sediment, marine	PNEC	1,7789	mg/kg dry weight
Environment - soil	PNEC	1,04	mg/kg dw
Human - dermal	DNEL	18,8	mg/kg bw/day
Human - inhalation	DNEL	13	mg/m ³
Human - oral	DNEL	18,8	mg/kg bw/day
Human - dermal	DNEL	31,3	mg/kg bw/day
Human - inhalation	DNEL	44,1	mg/m ³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective nitrile gloves (EN 374).

Minimum layer thickness in mm:

>= 0,5

Permeation time (penetration time) in minutes:

>= 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid
 Colour: Yellow
 Odour: Characteristic, Fruity
 pH-value: Not determined
 Melting point/freezing point: 7,7 (20 °C, DIN 19268)
 Initial boiling point and boiling range: Not determined
 Flash point: >100 °C
 Evaporation rate: Not determined
 Flammability (solid, gas): n.a.
 Lower explosive limit: Not determined
 Upper explosive limit: Not determined
 Vapour pressure: 23 hPa (20 °C)
 Vapour density (air = 1): Not determined
 Bulk density: 1,032 g/cm³ (20 °C, DIN 51757)
 Solubility(ies): n.a.
 Water solubility: Mixable
 Partition coefficient (n-octanol/water): Not determined
 Auto-ignition temperature: No
 Decomposition temperature: Not determined
 Viscosity: Not determined
 Explosive properties: Product is not explosive.
 Oxidising properties: No

9.2 Other information

Miscibility:

Fat solubility / solvent:

Conductivity:

Surface tension:

Solvents content:

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Scheiben-Reiniger-Super-Konzentrat 250 mL

Art.: 1519

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
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Acute toxicity, by oral route:	A TE	>2000	mg/kg	calculated value
Acute toxicity, by dermal route:				n.d.a.
Acute toxicity, by inhalation:				n.d.a.
Skin corrosion/irritation:				n.d.a.
Serious eye damage/irritation:				n.d.a.
Respiratory or skin sensitisation:				n.d.a.
Germ cell mutagenicity:				n.d.a.
Carcinogenicity:				n.d.a.
Reproductive toxicity:				n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				n.d.a.
Aspiration hazard:				n.d.a.
Symptoms:				n.d.a.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4100	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Skin Irrit. 2
Serious eye damage/irritation:			%	Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Dam. 1
Serious eye damage/irritation:			%	Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizing
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Reproductive toxicity:	NOAEL	>1000	mg/kg	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative, References
Reproductive toxicity:	NOAEL	>300	mg/kg	Rat	OECD 416 (Two-generation Reproduction Toxicity Study)	Negative, References
Aspiration hazard:						No
Symptoms:						mucous membrane irritation
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	>225	mg/kg	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Target organ(s): liver, References

Sulfonic acids, C14-17-sec-alkane, sodium salts						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>800-2000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Mouse		Analogous conclusion

Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Skin Irrit. 2
Serious eye damage/irritation:			%	Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Dam. 1
Serious eye damage/irritation:			%	Guinea pig	OECD 406 (Skin Sensitisation)	Eye Irrit. 2
Respiratory or skin sensitisation:						No indications of such an effect.
Germ cell mutagenicity:						No indications of such an effect.
Carcinogenicity:				Rat		No indications of such an effect.
Reproductive toxicity:			mg/kg	Rat		No indications of such an effect.
Aspiration hazard:						No

Disoocetyl sulfosuccinate, sodium salt						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>3000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>10000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	20	mg/l	Rat	OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Risk of serious damage to eyes.
Respiratory or skin sensitisation:				Human being	(Patch-Test)	Not sensitizing
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Reproductive toxicity:				Rat		Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	750	mg/kg	Rat		Negative
Symptoms:						mucous membrane irritation

2-methylisothiazol-3(2H)-one						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	183	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	242	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	0,11	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Serious eye damage/irritation:						Corrosive
Respiratory or skin sensitisation:						Risk of serious damage to eyes. Sensitising (skin contact)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	53	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	680	mg/kg	Rabbit		
Skin corrosion/irritation:				Rabbit		Corrosive
Serious eye damage/irritation:				Rabbit		Corrosive
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Yes (skin contact)

Aspiration hazard:							No diarrhoea, mucous membrane irritation, watering eyes
Symptoms:							

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Scheiben-Reiniger-Super-Konzentrat 250 mL

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							The surfactant(s) contained in this mixture with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Other adverse effects:							n.d.a.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	7,1	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	0,1	mg/l	Oncorhynchus mykiss	OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,27	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	

12.1. Toxicity to daphnia:	EC50	48h	7,2	mg/l	Daphnia magna	OECD 202 (Daphnia sp, Acute Immobilisation Test)	Readily biodegradable
12.1. Toxicity to algae:	NOEC/NOEL	96h	0,95	mg/l		OECD 201 (Alga, Growth Inhibition Test)	Readily biodegradable
12.1. Toxicity to algae:	EC50	72h	27,7	mg/l	Desmodesmus subspicatus	OECD 207 (Alga, Growth Inhibition Test)	Readily biodegradable
12.2. Persistence and degradability:		28d	95	%		OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	Readily biodegradable
12.2. Persistence and degradability:		28d	>70	%		OECD 301 A (Ready Biodegradability - DOC Die-Away Test)	Readily biodegradable
12.2. Persistence and degradability:	DOC	28d	100	%	activated sludge	Regulation (EC) 440/2008 C.4-C.4 OF 'READY BIODEGRADABILITY - CO2 EVOLUTION TEST)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		-1,38				Low
12.4. Mobility in soil:	Koc		191				calculated value
12.5. Results of PBT and vPvB assessment							No PBT substance
Toxicity to bacteria:	EC50	16h	>10	g/l	Pseudomonas putida	DIN 38412 T.8	

Sulfonic acids, C14-17-sec-alkane, sodium salts

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1 - 10	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	0,85	mg/l	Oncorhynchus mykiss	OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study)	
12.1. Toxicity to daphnia:	NOEC/NOEL	22d	0,36	mg/l	Daphnia magna	OECD 202 (Daphnia sp, Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	EC50	48h	9,81	mg/l	Daphnia magna	OECD 202 (Daphnia sp, Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	>61	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		34d	96,2	%	activated sludge	OECD 304 A (Inherent Biodegradability in Soil)	Readily biodegradable

12.2. Persistence and degradability.	28d	78	%	activated sludge	OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
12.2. Persistence and degradability.	28d	89	%	activated sludge	OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	Readily biodegradable
12.3. Bioaccumulative potential.						Not accepted due to the log Pow - value. No PBT
12.5. Results of PBT and vPvB assessment						substance. No vPvB substance
Toxicity to bacteria:	NOEC/NOEL	16h	600	mg/l	Pseudomonas putida	
Other organisms:	NOEC/NOEL	56d	470	mg/kg	Eisenia foetida OECD 222 (Earthworm Reproduction Test (Eisenia foetida/Eisenia andrei))	

Diisooctyl sulfosuccinate, sodium salt	Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT and vPvB assessment								No PBT substance. No vPvB substance
12.1. Toxicity to fish:	LC50	96h	49	mg/l		Brachydanio rerio	84/449/EEC C.1	
12.1. Toxicity to daphnia:	EC50	48h	10.3	mg/l		Daphnia magna	84/449/EEC C.2	
12.1. Toxicity to algae:	EC50	72h	39.3	mg/l		Scenedesmus subspicatus	84/449/EEC C.3	
12.2. Persistence and degradability:		28d	66.7	%			OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.2. Persistence and degradability:		28d	91.2	%			OECD 310 (Ready Biodegradability - CO2 in sealed vessels (Headspace Test))	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		3.78					No bioaccumulation.
Toxicity to bacteria:		16h	164	mg/l		Pseudomonas putida	DIN 38412 T.8	

2-methylisothiazol-3(2H)-one	Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	0.32	%			OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	Log Kow		-0.32				OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method)	

12.1. Toxicity to fish:	NOEC/NOEL	28d	2.38	mg/l	Pimephales promelas	OECD 210 (Fish, Early-Life Stage Toxicity Test)
12.1. Toxicity to fish:	LC50	96h	4.77	mg/l	Oncorhynchus mykiss <td>OECD 203 (Fish, Acute Toxicity Test) </td>	OECD 203 (Fish, Acute Toxicity Test)
12.1. Toxicity to daphnia:	EC50	48h	0.359	mg/l	Daphnia magna <td>OECD 202 (Daphnia sp. Acute Immobilisation Test) </td>	OECD 202 (Daphnia sp. Acute Immobilisation Test)
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0.0442	mg/l	Daphnia magna <td>OECD 201 (Alga, Pseudokirchneriell a subcapitata Test) </td>	OECD 201 (Alga, Pseudokirchneriell a subcapitata Test)
12.1. Toxicity to algae:	NOEC/NOEL	120h	0.05	mg/l	Pseudokirchneriell a subcapitata <td>OECD 201 (Alga, Pseudokirchneriell a subcapitata Test) </td>	OECD 201 (Alga, Pseudokirchneriell a subcapitata Test)
12.1. Toxicity to algae:	EC50	72h	0.445	mg/l	Pseudokirchneriell a subcapitata <td>OECD 201 (Alga, Pseudokirchneriell a subcapitata Test) </td>	OECD 201 (Alga, Pseudokirchneriell a subcapitata Test)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	0.28	mg/l	Lepomis macrochirus	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LC50	96h	0.19-0.22	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	0.098	mg/l	Oncorhynchus mykiss	OECD 210 (Fish, Early-Life Stage Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0.004	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	48h	0.16	mg/l	Daphnia magna	OECD 207 (Alga, Pseudokirchneriell a subcapitata Test)	
12.1. Toxicity to algae:	EC50	72h	0.048	mg/l	Pseudokirchneriell a subcapitata	OECD 207 (Alga, Pseudokirchneriell a subcapitata Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	0.0012	mg/l	Pseudokirchneriell a subcapitata	OECD 207 (Alga, Pseudokirchneriell a subcapitata Test)	
12.2. Persistence and degradability:			>60	%	activated sludge	OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Does not conform with EU classification.
12.3. Bioaccumulative potential:	BCF		3.6				calculated value
12.3. Bioaccumulative potential:	Log Pow		0.401-0.486				Does not conform with EU classification.
12.5. Results of PBT and vPvB assessment							No PBT substance. No vPvB substance
Toxicity to bacteria:	EC50	3h	7.92	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

SECTION 13: Disposal considerations

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 04.06.2020 / 0024
 Replacing version dated / version: 18.05.2020 / 0023
 Valid from: 04.06.2020
 PDF print date: 04.06.2020
 Scheibeh-Reiniger-Super-Konzentrat 250 mL
 Art.: 1519

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:
 The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
 07 06 01 aqueous washing liquids and mother liquors
 20 01 29 detergents containing hazardous substances
 Recommendation:
 Sewage disposal shall be discouraged.
 Pay attention to local and national official regulations.
 E.g. suitable incineration plant.
 E.g. dispose at suitable refuse site.
For contaminated packing material
 Pay attention to local and national official regulations.
 Empty container completely.
 Uncontaminated packaging can be recycled.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number: n.a.
 14.2. UN proper shipping name:
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 Classification code: n.a.
 L.C.: n.a.
 14.5. Environmental hazards: Not applicable
 Tunnel restriction code:
Transport by sea (IMDG-code)
 14.2. UN proper shipping name: n.a.
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: Not applicable
 Marine Pollutant: n.a.
 14.5. Environmental hazards: Not applicable
Transport by air (IATA)
 14.2. UN proper shipping name: n.a.
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: Not applicable
 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
 Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:
 Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!
 Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!
 Comply with trade association/occupational health regulations.
 Directive 2010/75/EU (VOC): 0,3 %

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 04.06.2020 / 0024
 Replacing version dated / version: 18.05.2020 / 0023
 Valid from: 04.06.2020
 PDF print date: 04.06.2020
 Scheibeh-Reiniger-Super-Konzentrat 250 mL
 Art.: 1519

REGULATION (EC) No 648/2004

15 % or over but less than 30 %
 anionic surfactants

perumes

BENZISOTHIAZOLINONE
 METHYLCHLORISO THIAZOLINONE/ METHYLISOTHIAZOLINONE
 METHYLISOTHIAZOLINONE

Treated goods as per Regulation (EU) No. 528/2012 must display specific information on the label.

Please note Article 58 paragraph (3) subparagraph 2 of Regulation (EU) No. 528/2012.

Approval of the biocidal active substance may mean that special conditions are required for marketing the treated goods.

These are indicated in the approval of the active substance.

National rules/regulation for the compliance with maximum quantities with regard to phosphates and or phosphorous compounds must be observed and complied with.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

1
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Skin Irrit. 2, H315	Classification according to calculation procedure.
Eye Dam. 1, H318	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H330 Fatal if inhaled.
 H310 Fatal in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H311 Toxic in contact with skin.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Skin Irrit. — Skin irritation
 Eye Dam. — Serious eye damage
 Skin Sens. — Skin sensitization
 Aquatic Chronic — Hazardous to the aquatic environment - chronic
 Acute Tox. — Acute toxicity - oral
 Acute Tox. — Acute toxicity - dermal
 Skin Corr. — Skin corrosion
 Acute Tox. — Acute toxicity - inhalation
 Aquatic Acute — Hazardous to the aquatic environment - acute

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BSEF The International Bromine Council
 bw body weight
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EC European Community
 ECHA European Chemicals Agency
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 LQ Limited Quantities
 MARPOL International Convention for the Prevention of Marine Pollution from Ships
 n.a. not applicable
 n.a.v. not available
 n.c. not checked
 n.d.a. no data available
 OECD Organisation for Economic Co-operation and Development
 org. organic
 PBT persistent, bioaccumulative and toxic
 PE Polyethylene
 PNEC Predicted No Effect Concentration
 ppm parts per million
 PVC Polyvinylchloride
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern
 Tel. Telephone
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
 VOC Volatile organic compounds
 vPvB very persistent and very bioaccumulative
 wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
 No responsibility.

These statements were made by
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