



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.08.2021

V - 1.1 (replaces version 1.0)

Revision: 25.08.2021

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

- **1.1 Product identifier**
- **Trade name:** S100 Rim Cleaner
- **Article number:** 2018, 3418
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Void
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Dr.O.K.Wack Chemie GmbH
 Bunsenstrasse 6
 DE-85053 Ingolstadt
 Tel.-Nr. +49 841 635-0
 www.dr-wack.com
 info@dr-wack.com
- **Further information obtainable from:** Safety department
- **1.4 Emergency telephone number:** During business hours: +49 841 635-23

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 Acute Tox. 4 H302 Harmful if swallowed.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 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:**
 sodium mercaptoacetate
- **Hazard statements**
 H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
- **Precautionary statements**
 P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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.

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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 · **Description:** Mixture of the substances with nonhazardous additions.

· Dangerous components:

CAS: 367-51-1 EINECS: 206-696-4 Reg.nr.: 01-2119968564-24-XXXX	sodium mercaptoacetate Acute Tox. 3, H301; Met. Corr. 1, H290; Acute Tox. 4, H312; Skin Sens. 1, H317	≥1-<15%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-xxxx	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	≥3-<5%
CAS: 28348-53-0 EINECS: 248-983-7 Reg.nr.: 01-2119489411-37-xxxx	sodium cumenesulphonate Eye Irrit. 2, H319	1-5%
CAS: 37971-36-1 EINECS: 253-733-5	2-phosphonobutane-1,2,4-tricarboxylic acid Met. Corr. 1, H290	1-5%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-xxxx	1-butoxypropan-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%

· **SVHC** None· **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:

Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Rinse out mouth and then drink plenty of water.

· 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 extinguishing methods suitable to surrounding conditions.· **For safety reasons unsuitable extinguishing agents:** Water with full jet

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- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
Clean the affected area carefully; suitable cleaners are:
Warm water
- **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** No special precautions are necessary if used correctly.
- **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 in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Protect from frost.
- **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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs****367-51-1 sodium mercaptoacetate**

Oral	DNEL system. effects (long-term)	0.002 mg/kg KG/Tag (Consumer)
Inhalative	DNEL system. effects (long-term)	0.348 mg/m ³ (Consumer) 1.41 mg/m ³ (Worker)

28348-53-0 sodium cumenesulphonate

Dermal	DNEL system. effects (long-term)	7.6 mg/kg KG/Tag (Worker)
Inhalative	DNEL system. effects (long-term)	53.6 mg/m ³ (Worker)

5131-66-8 1-butoxypropan-2-ol

Oral	DNEL system. effects (long-term)	12.5 mg/kg KG/Tag (Consumer)
Dermal	DNEL system. effects (long-term)	22 mg/kg KG/Tag (Consumer)

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<i>Inhalative</i>	<i>DNEL system. effects (long-term)</i>	52 mg/kg KG/Tag (<i>Worker</i>) 43 mg/m ³ (<i>Consumer</i>) 147 mg/m ³ (<i>Worker</i>)
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· PNECs
367-51-1 sodium mercaptoacetate

PNEC	0.0038 mg/l (<i>Meerwasser</i>) 0.038 mg/l (<i>fresh water</i>)
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28348-53-0 sodium cumenesulphonate

PNEC	0.23 mg/l (<i>fresh water</i>)
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5131-66-8 1-butoxypropan-2-ol

PNEC	0.0525 mg/l (<i>Meerwasser</i>) 0.525 mg/l (<i>fresh water</i>)
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· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls
· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment
· General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Be sure to clean skin thoroughly after work and before breaks.
· Respiratory protection: Not required.

· Hand protection
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves
Nitrile rubber, NBR
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
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye/face protection Safety glasses

SECTION 9: Physical and chemical properties
· 9.1 Information on basic physical and chemical properties
· General Information
· Physical state
Fluid
· Colour:
Red
· Odour:
Characteristic
· Odour threshold:
Not determined
· Melting point/freezing point:
<0 °C
· Boiling point or initial boiling point and boiling range
98 °C
· Flammability
Not applicable.

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· Lower and upper explosion limit	
· Lower:	Void
· Upper:	Void
· Flash point:	None
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	7.4 +/- 0.2 (DIN 19268)
· Viscosity:	
· Kinematic viscosity	Not determined
· Dynamic at 20 °C:	140 +/- 20 mPas (DIN 53019)
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	1.11 +/- 0.02 g/cm ³ (DIN 51757)
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Not determined
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· 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**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Store away from oxidising agents.
- **10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.

- **LD/LC50 values relevant for classification:**

367-51-1 sodium mercaptoacetate

Oral	LD50	50 mg/kg (rat) (OECD 423 (Acute Oral Toxicity))
Dermal	LD50	1,000 mg/kg (rat) (OECD 402 (Acute dermal toxicity))
Inhalative	LC50/4 h	>2,729 mg/l (rat) (OECD 403 (Acute Inhalation Toxicity))

28348-53-0 sodium cumenesulphonate

Oral	LD50	>7,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

5131-66-8 1-butoxypropan-2-ol

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Specific symptoms in biological assay:** Not determined
- **Skin corrosion/irritation**
No irritating effect.
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

367-51-1 sodium mercaptoacetate

LC50/96h	>100 mg/l (oncorhynchus mykiss) (OECD 203 (Fish, Acute Toxicity Test))
EC50/72h	>100 mg/l (Desmodesmus subspicatus) (OECD 201 (Alga, Growth Inhibiton Test))
EC50/3h	530 mg/l (Belebtschlamm) (OECD 209)
EC50/48h	38 mg/l (daphnia magna) (OECD 201)

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28348-53-0 sodium cumenesulphonate

LC50/96h	>1,000 mg/l (Fish)
EC50/48h	>1,000 mg/l (daphnia magna)

5131-66-8 1-butoxypropan-2-ol

LC50/96h (static)	>560-1,000 mg/l (Poecilia reticulata)
EC50/3h	>1,000 mg/l (Bacteria)
EC50/48h (static)	>1,000 mg/l (daphnia magna)
EC50/96h	>1,000 mg/l (Pseudokirchneriella subcapitata)

- **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.
- **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**
- **Additional ecological information:**
- **General notes:**
The surfactant(s) contained in this preparation complies(comply) 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.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.

· **European waste catalogue**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 30	detergents other than those mentioned in 20 01 29

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void

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· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	None No
· 14.6 Special precautions for user	None
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** 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.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has 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**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

- **Classification according to Regulation (EC) No 1272/2008** Calculation method

- **Date of previous version:** 12.01.2021

- **Version number of previous version:** 1.0

- **Abbreviations and acronyms:**

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

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· *** Data compared to the previous version altered.**

EU