

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

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

- **1.1 Product identifier**
- **Trade name: S100 Total Cleaner +**
- **Article number: 2003, 2031**
- **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  
D - 85053 Ingolstadt  
Tel. +49 841-6350 Fax +49 841-63558  
www.wackchem.com  
wack.info@wackchem.com
- **Further information obtainable from:** Safety department
- **1.4 Emergency telephone number:** During business hours: +49 841 63523

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **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 statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**
  - P101 If medical advice is needed, have product container or label at hand.
  - P102 Keep out of reach of children.
  - 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.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances with nonhazardous additions.

(Contd. on page 2)

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

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 1)

· <b>Dangerous components:</b>		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	1-<3%
CAS: 111798-26-6	2-Ethylhexylpolyethylenglycoletherphosphorsäurepartialester, Na-Salz ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-<3%
CAS: 85711-69-9	Sulfonsäure, C14-17-sec-Alkan-, Natriumsalze ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	1-<3%

· **SVHC** None

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air.

· **After skin contact:**

Generally the product does not irritate the skin.

Rinse with warm water.

· **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.

· **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:** None

· **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.

(Contd. on page 3)

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

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 2)

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 measures required.
- **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:** No special requirements.
- **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

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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

##### 64-17-5 ethanol

Oral	DNEL system. effects (long-term)	87 mg/kg KG/Tag (Consumer)
Dermal	DNEL systemic effects	343 mg/kg (Worker)
	DNEL system. effects (long-term)	206 mg/kg KG/Tag (Consumer)
Inhalative	DNEL system. effects (long-term)	114 mg/m <sup>3</sup> (Consumer)
		950 mg/m <sup>3</sup> (Worker)
	DNEL local effects (short-term)	950 mg/m <sup>3</sup> (Consumer)
		1900 mg/m <sup>3</sup> (Worker)

#### · PNECs

##### 64-17-5 ethanol

PNEC	0,79 mg/l (Meerwasser)
	0,96 mg/l (fresh water)

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **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.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.
- **Respiratory protection:** Not required.
- **Protection of hands:** After each cleaning use treatment creams, for very dry skin greasy ointments.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.

(Contd. on page 4)

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

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 3)

· **Eye protection:** Not required.

**SECTION 9: Physical and chemical properties**

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

· **General Information**

· **Appearance:**

Form: Viscous

Colour: Yellow

· **Odour:** Characteristic

· **Odour threshold:** Not determined

· **pH-value at 20 °C:** 7,5+/-0,2

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not determined

· **Flash point:** Not applicable.  
None

· **Ignition temperature:** Not determined

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Void

Upper: Void

· **Vapour pressure at 20 °C:** 23,4 hPa

· **Density at 20 °C:** 1,03+/-0,2 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **Viscosity:**

Dynamic at 20 °C: 130+/-20 mPas

Kinematic: Not determined.

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**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **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:**

No decomposition if used and stored according to specifications.

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

-EU-  
(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 4)

#### 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 relevant for classification:

###### 64-17-5 ethanol

Oral	LD50	10470 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>20 mg/l (mouse)

###### 111798-26-6 2-Ethylhexylpolyethylenglycoletherphosphorsäurepartialester, Na-Salz

Oral	LD50	> 5000 mg/kg (rat)
------	------	--------------------

- **Specific symptoms in biological assay:** Not determined
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.

#### SECTION 12: Ecological information

##### 12.1 Toxicity

##### · Aquatic toxicity:

###### 64-17-5 ethanol

EC50/48h	> 10000 mg/l (daphnia magna)
LC50/48h	8140 mg/l (leuciscus idus)

###### 111798-26-6 2-Ethylhexylpolyethylenglycoletherphosphorsäurepartialester, Na-Salz

LC50/96h	75 mg/l (oncorhynchus mykiss) (DIN 38412/15)
EC50/24h	342 mg/l (daphnia magna) (DIN 38412/11)
EC50/48h	267 mg/l (daphnia magna) (DIN 38412/11)
LC50/48h	260 mg/l (leuciscus idus) (DIN 38412/15)

- **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:**  
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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 6)

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

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 5)

- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

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

· **European waste catalogue**

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**
- **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
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** None
- **Marine pollutant:** No
- **14.6 Special precautions for user** None
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** 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.
- **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**  
H225 Highly flammable liquid and vapour.

(Contd. on page 7)

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

Printing date 19.01.2016

V - 5

Revision: 19.01.2016

**Trade name: S100 Total Cleaner +**

(Contd. of page 6)

*H302 Harmful if swallowed.*

*H315 Causes skin irritation.*

*H318 Causes serious eye damage.*

*H319 Causes serious eye irritation.*

*H412 Harmful to aquatic life with long lasting effects.*

**Abbreviations and acronyms:**

*Flam. Liq. 2: Flammable liquids, Hazard Category 2*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*

*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

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