

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## ClaraClean - Wash&Go sauer

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

#### 1.1. Product identifier

Trade name/designation:

ClaraClean - Wash&Go sauer

Additional information:

Package units: 1/20/50/100 units

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

Use of the substance/mixture:

Floor wipes for professional use.

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**AVET AG**

Eichwiesstrasse 9

CH-8630 Rüti

Telephone: +41 (0)55 251 40 60

E-mail (competent person): info@encoma.net

Information on the safety data sheet and phone number on behalf of the distributor: Environment Consulting ENCOMA GmbH +41 (0)41 610 12 11 (Office hours)

#### 1.4. Emergency telephone number

United States of America: Poison control center - national hotline number 1-800-222-1222 Great Britain: National phone number 111 Republic of Ireland: National phone number 01 809 2166 Czech Republic: Toxikologické informační středisko +420 224 919 293, +420 224 915 402 Denmark: Giftlinjen +45 82 12 12 12 France: numéro ORFILA (INRS) : +33 (0)1 45 42 59 59 Italy: 06-3054343 (24h/24h), Centro antiveleni Policlinico Umberto I, Roma Spain: National Emergency Telephone Number: +34 91 562 04 20. The information will be provided in Spanish (24h/365 days). Sweden: +46 112 in case of emergency poisoning and ask for Poison Information both day and night. +46 08-331231 if you have other questions concerning acute poisonings mon-fri 9.00-17.00.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS05**  
Corrosion

Signal word: Danger

hazard statements for health hazards

H318 Causes serious eye damage.

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### Supplemental Hazard information (EU)

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

### Precautionary statements Prevention

P280 Wear eye protection/face protection.

### Precautionary statements Response

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/etc..

### Precautionary statements Disposal

P501 Dispose of contents/container to an installation for the treatment of hazardous waste.

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
	<b>alcohol ethoxylate</b> Acute Tox. 4, Eye Dam. 1 ⚠ H302-H318	10 - 25 Wt %
<b>CAS No.:</b> 5949-29-1	<b>CITRONENSÄUREMONOHYDRAT</b> Skin Irrit. 2 ⚠ <b>Warning</b> H315	< 1 Wt %
<b>CAS No.:</b> 68891-38-3 <b>EC No.:</b> 500-234-8	<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b> Aquatic Chronic 3, Eye Dam. 1, Skin Irrit. 2 ⚠ <b>Danger</b> H315-H318-H412	< 1 Wt %
<b>CAS No.:</b> 69011-36-5	<b>Isotridecanol ethoxylated</b> Aquatic Chronic 3, Eye Dam. 1, Skin Irrit. 2 ⚠ <b>Danger</b> H315-H318-H412	< 0.5 Wt %
<b>CAS No.:</b> 85536-14-7 <b>EC No.:</b> 287-494-3	<b>Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.</b> Acute Tox. 4, Aquatic Chronic 3, Eye Dam. 1, Skin Corr. 1C ⚠ <b>Danger</b> H302-H314-H318-H412	< 0.5 Wt %
<b>CAS No.:</b> 55965-84-9	<b>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)</b> Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1, Skin Corr. 1B, Skin Sens. 1 ⚠ <b>Danger</b> H301-H311-H314-H317-H331-H410	< 0.0015 Wt %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Warning First aider: Pay attention to self-protection!

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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### **In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

### **After eye contact:**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### **After ingestion:**

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

### **Self-protection of the first aider:**

Wear personal protection equipment (refer to section 8).

### **4.2. Most important symptoms and effects, both acute and delayed**

The product may cause serious eye damage. May cause an allergic skin reaction.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

#### **Suitable extinguishing media:**

Water spray jet, alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder

#### **Unsuitable extinguishing media:**

Limitations of the used extinguishing media is determined only by the other products stored nearby.

### **5.2. Special hazards arising from the substance or mixture**

#### **Hazardous combustion products:**

Gases/vapours, toxic Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

### **5.4. Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

##### **Personal precautions:**

Avoid contact with eyes and skin. Remove persons to safety.

##### **Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

#### **6.1.2. For emergency responders**

##### **Personal protection equipment:**

Personal protection equipment: see section 8

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

#### **For containment:**

Take up mechanically, placing in appropriate containers for disposal.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Avoid contact with eyes and skin. Wash hands before breaks and after work. Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

No special fire protection measures are necessary.

##### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions:

Store in a cool dry place. Keep container tightly closed in a cool, well-ventilated place.

#### Packaging materials:

Keep only in original container.

**Storage class:** 8B - Non-combustible corrosive substances

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available.

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Wear tightly sealed safety glasses in accordance to EN 166.

##### Skin protection:

Use protective gloves in accordance to EN 374. The following materials are suitable: NBR, butyle rubber, PVC, thickness at least 0.4 mm. Working clothes are sufficient for protection in case of normal use.

##### Respiratory protection:

Not required.

##### Other protection measures:

When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Avoid contact with eyes and skin. Take off immediately all contaminated clothing and wash it before reuse.

#### 8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** not determined

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**Odour:** not determined

### Safety relevant basis data

parameter		at °C	Method	Remark
pH	3	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not applicable</i>			
Upper/lower flammability or explosive limits	<i>not applicable</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not applicable</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Heat. Frost.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
5949-29-1	CITRONENSÄUREMONOHYDRAT	<b>LD<sub>50</sub> oral:</b> 5,400 mg/kg (Maus) <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Maus)
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	<b>LD<sub>50</sub> oral:</b> 1,470 mg/kg (Rat) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 310 mg/l (Rat) <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rat)
55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	<b>LD<sub>50</sub> oral:</b> 53 mg/kg (Rat)

**Acute oral toxicity:**

Based on available data, the classification criteria are not met.

**Acute dermal toxicity:**

Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Causes serious eye damage.

**Respiratory or skin sensitisation:**

Based on available data, the classification criteria are not met.

**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

CAS No.	Substance name	Toxicological information
5949-29-1	CITRONENSÄUREMONOHYDRAT	<b>LC<sub>50</sub></b> : 440 mg/l (fish, <i>Leuciscus idus</i> ) <b>EC<sub>50</sub></b> : 1,535 mg/l (crustaceans, <i>Daphnia magna</i> ) <b>NOEC</b> : 425 mg/l (Algae/water plant, <i>Scenedesmus quadricauda</i> )
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<b>LC<sub>50</sub></b> : 1 - 10 mg/l 4 d ( <i>Brachydanio rerio</i> (zebrafish)) <b>NOEC</b> : 1 mg/l 56 d ( <i>Pimephales promelas</i> (fathead minnow)) <b>EC<sub>50</sub></b> : 8 mg/l 2 d ( <i>Daphnia magna</i> (Big water flea)) <b>NOEC</b> : 0.18 mg/l 21 d ( <i>Daphnia magna</i> (Big water flea))
69011-36-5	Isotridecanol ethoxylated	<b>LC<sub>50</sub></b> : >10 mg/l 4 d (fish)
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	<b>LC<sub>50</sub></b> : 1.67 mg/l 4 d (fish) <b>NOEC</b> : 0.268 mg/l (fish) <b>LC<sub>50</sub></b> : 2.9 mg/l 2 d (crustaceans) <b>NOEC</b> : 1.18 mg/l (crustaceans) <b>EC<sub>50</sub></b> : 235 mg/l (Algae/water plant)
55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	<b>LC<sub>50</sub></b> : 0.36 mg/l 4 d (fish, fish) <b>LC<sub>50</sub></b> : 0.56 mg/l 4 d (crustaceans, crustaceans) <b>EC<sub>50</sub></b> : 1.07 mg/l 2 d (crustaceans, crustaceans) <b>EC<sub>50</sub></b> : 0.13 mg/l 3 d (Algae/water plant, Algae/water plant) <b>EC<sub>50</sub></b> : 0.06 mg/l 4 d (Algae/water plant, Algae/water plant) <b>LC<sub>50</sub></b> : 0.19 mg/l 4 d (fish, fish) <b>LC<sub>50</sub></b> : 0.056 mg/l 2 d (crustaceans, crustaceans) <b>EC<sub>50</sub></b> : 0.18 mg/l 2 d (crustaceans, crustaceans)

#### Aquatic toxicity:

Based on available data, the classification criteria are not met.

#### 12.2. Persistence and degradability

##### Biodegradation:

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

#### 12.3. Bioaccumulative potential

##### Bioconcentration factor (BCF):

No indication of bioaccumulation potential.

#### 12.4. Mobility in soil

No data available

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### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
	alcohol ethoxylate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
5949-29-1	CITRONENSÄUREMONOHYDRAT	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
69011-36-5	Isotridecanol ethoxylated	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product may not be eliminated as municipal solid waste nor allowed to end up in the drainage system. These packs can be delivered packaging-specific to the existing collection points for hazardous waste.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

20 01 29 *	Detergents containing hazardous substances
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\*: Evidence for disposal must be provided.

##### Remark:

Wastecode according to regulation EU 2014/955

### Waste treatment options

#### Appropriate disposal / Package:

Empty packaging can be recycled or eliminated as municipal solid waste.

### 13.2. Additional information

No data available.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant			



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Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not relevant

## SECTION 15: Regulatory information

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

No data available

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### 15.3. Additional information

No data available.

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR European agreement concerning the international carriage of dangerous goods by road  
CAS Chemical Abstract Service  
CLP Classification, labelling and Packaging  
EC50 Effective Concentration 50%  
EN European norm  
IATA International Air Transport Association  
IMDG-Code International Maritime Dangerous Goods Code  
LC50 Lethal Concentration 50%  
LD50 Lethal Dose 50%  
OECD Organization for Economic Cooperation and Development  
PBT persistent, bioaccumulative, toxic  
PNEC Predicted No Effect Concentration  
REACH Registration, Evaluation and Authorization of Chemicals  
RID Regulations concerning the international carriage of dangerous goods by rail  
SVHC Substance of Very High Concern  
UN United Nations  
VOC Volatile organic compounds  
vPvB very persistent, very bioaccumulative

### 16.3. Key literature references and sources for data

Security safety data sheet of the ingredients. GESTIS database. Inventory of substances of the European Chemical Agency (ECHA).

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### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
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.
H331	Toxic if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6. Training advice

Persons charged with the handling and cleaning of the product must be trained prior to start their work and in regular intervals. They must be informed about the risks using the product and the measures to take for efficient prevention. This concerns particularly working security, first aid, health and environment protection.

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.