

SAFETY DATA SHEET

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

Revision date: 20-Nov-2019

Print date: 21-Nov-2019

Version: 6

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ClaraClean - Wash&Go

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

1.1. Product identifier

Trade name/designation:

ClaraClean - Wash&Go

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), limonene. May produce an allergic reaction.
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Precautionary statements Prevention

P280	Wear eye protection/face protection.
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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.
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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
	alcohol ethoxylate Acute Tox. 4, Eye Dam. 1 H302-H318	10 - 25 Wt %
CAS No.: 68037-49-0 EC No.: 268-213-3	Sulfonic acids, C10-18-alkane, sodium salts Acute Tox. 4 Warning H302	< 1 Wt %
CAS No.: 5989-27-5 EC No.: 227-813-5	limonene Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 Warning H226-H315-H317-H410	< 0.2 Wt %
CAS No.: 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) Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1, Skin Corr. 1B, Skin Sens. 1 Danger 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.

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.

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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 (CO₂), 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 (CO₂)

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

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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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)

Recommendation:

Floor wipes for professional use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
ES	limonene CAS No.: 5989-27-5	① 30 ppm (168 mg/m ³) ⑤ (puede ser absorbido a través dérmica)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

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.

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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

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	5.5	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 applicable</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>			

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
68037-49-0	Sulfonic acids, C10-18-alkane, sodium salts	LD₅₀ oral: <2,000 mg/kg
5989-27-5	limonene	LD₅₀ oral: 4,400 mg/kg (Rat) LD₅₀ dermal: 5,000 mg/kg (Rabbit)
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)	LD₅₀ oral: 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.

Additional information:

No data available

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
5989-27-5	limonene	EC₅₀ : 0.3 mg/l 2 d (Daphnia magna (Big water flea)) EC₅₀ : 0.72 mg/l 2 d (Fish) NOEC : 0.37 mg/l (fish) NOEC : 0.153 mg/l (Daphnia pulex (water flea)) ErC₅₀ : 0.32 mg/l (Alga) NOEC : 0.174 mg/l
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)	LC₅₀ : 0.36 mg/l 4 d (fish, fish) LC₅₀ : 0.56 mg/l 4 d (crustaceans, crustaceans) EC₅₀ : 1.07 mg/l 2 d (crustaceans, crustaceans) EC₅₀ : 0.13 mg/l 3 d (Algae/water plant, Algae/water plant) EC₅₀ : 0.06 mg/l 4 d (Algae/water plant, Algae/water plant) LC₅₀ : 0.19 mg/l 4 d (fish, fish) LC₅₀ : 0.056 mg/l 2 d (crustaceans, crustaceans) EC₅₀ : 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.

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
68037-49-0	Sulfonic acids, C10-18-alkane, sodium salts	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
5989-27-5	limonene	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.
	alcohol ethoxylate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

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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)
14.1. UN-No.			
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.
14.2. UN proper shipping name			
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.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
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.

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15.3. Additional information

No data available.

SECTION 16: Other information

16.1. Indication of changes

2.1.	Classification of the substance or mixture
3.2.	Mixtures

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).

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	
H226	Flammable liquid and vapour.
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.

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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.

* Data changed compared with the previous version