

# SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 1/9



## ClaraClean - L3

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

#### 1.1. Product identifier

Trade name/designation:

ClaraClean - L3

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

Use of the substance/mixture:

Special detergent for industrial washing processes.

#### 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 antiveneni 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
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

#### 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	
H315	Causes skin irritation.
H318	Causes serious eye damage.

# SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 2/9



## ClaraClean - L3

### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

### Supplemental Hazard information (EU)

EUH208 Contains orange oil sweet. May produce an allergic reaction.

### Precautionary statements Prevention

P280.2 Wear protective gloves and eye/face protection.

### Precautionary statements Response

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.

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..

P332 + P313 If skin irritation occurs: Get medical advice/attention.

### Precautionary statements Disposal

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

### 2.3. Other hazards

#### Other adverse effects:

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 [CL P]	Concentration
CAS No.: 68411-30-3 EC No.: 270-115-0	<b>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</b> Eye Dam. 1, Acute Tox. 4, Skin Irrit. 2, Aquatic Chronic 3 <b>Danger</b> H302-H315-H318-H412	10 - < 15 Wt %
	<b>Polymer of fatty acid alkoxyolate</b> Skin Irrit. 2 H315	10 - < 15 Wt %
CAS No.: 15763-76-5 EC No.: 239-854-6	<b>sodium p-cumenesulphonate</b> Eye Irrit. 2 <b>Warning</b> H319	1 - < 5 Wt %
CAS No.: 68891-38-3 EC No.: 500-234-8	<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b> Eye Dam. 1, Skin Irrit. 2, Aquatic Chronic 3 <b>Danger</b> H315-H318-H412	1 - < 5 Wt %
CAS No.: 28085-69-0 EC No.: 248-827-8	<b>potassium cumenesulphonate</b> Eye Irrit. 2 <b>Warning</b> H319	1 - < 5 Wt %
CAS No.: 8028-48-6 EC No.: 232-433-8	<b>Orange, sweet, ext.</b> Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1 <b>Danger</b> H226-H304-H315-H317-H400-H410	0.1 - < 1 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:

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. First aider: Pay attention to self-protection!

# SAFETY DATA SHEET

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

**Revision date:** 09-Jul-2018

**Print date:** 09-Jul-2018

**Version:** 3

Page 3/9



## ClaraClean - L3

### Following inhalation:

Remove victim out of the danger area. Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

### 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:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### After ingestion:

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

### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation. Serious eye damage/eye irritation.

### 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:

Co-ordinate fire-fighting measures to the fire surroundings. Fight against extended fires with a water spray jet or alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

Full water jet.

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

The product itself does not burn.

#### Hazardous combustion products:

In case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sulphur oxides. Gases/vapours, toxic

### 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. Keep away unprotected persons.

##### Protective equipment:

Wear protective gloves and eye/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:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up:

Water (with cleaning agent).

# SAFETY DATA SHEET

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

**Revision date:** 09-Jul-2018

**Print date:** 09-Jul-2018

**Version:** 3

Page 4/9



## ClaraClean - L3

### 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

No special 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:

Keep container tightly closed in a cool, well-ventilated place. Don't allow to enter drains/surface water/groundwater. Provide for retaining containers, eg. floor pan without outflow.

#### Requirements for storage rooms and vessels:

Protect from frost Protect from sunlight. storage temperature max. 40°C.

#### Hints on storage assembly:

No special instructions.

**Storage class:** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

#### Recommendation:

Special detergent for industrial washing processes.

## 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 material is suitable: NBR Working clothes are sufficient for protection in case of normal use.

##### Respiratory protection:

Not required.

##### Other protection measures:

It's recommended to install an eye bath or to provide at least a sufficient number of eye wash bottles with clean water. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

#### 8.2.3. Environmental exposure controls

No data available.

# SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 5/9



## ClaraClean - L3

### 8.3. Additional information

No data available.

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state: Liquid

Colour: light yellow

Odour: Perfumed.

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	7	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 (°C):	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<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>			
Relative density	1.06 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not applicable</i>			
Water solubility	easily soluble	20 °C		
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	60 mPa*s			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature. Protect from heat and direct sunlight.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Heat. Frost.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

# SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 6/9



## ClaraClean - L3

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	<b>LD<sub>50</sub> oral:</b> 2,760 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rabbit)

**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:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes serious eye damage.

**Respiratory or skin sensitisation:**

Contains orange terpenes. May produce an allergic 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.

**Additional information:**

The product has not been tested. The information in this section is derived from the properties of the individual components.

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	<b>EC<sub>50</sub>:</b> 1.4 - 43 mg/l 2 d (Pimephales promelas (fathead minnow)) <b>NOEC:</b> 0.25 mg/l 56 d (Pimephales promelas (fathead minnow)) <b>EC<sub>50</sub>:</b> 29 mg/l 4 d (Selenastrum capricornutum) <b>NOEC:</b> 0.58 mg/l 56 d (Selenastrum capricornutum)
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<b>LC<sub>50</sub>:</b> 1 - 10 mg/l 4 d (Brachydanio rerio (zebrafish)) <b>NOEC:</b> 1 mg/l 56 d (Pimephales promelas (fathead minnow)) <b>EC<sub>50</sub>:</b> 8 mg/l 2 d (Daphnia magna (Big water flea)) <b>NOEC:</b> 0.18 mg/l 21 d (Daphnia magna (Big water flea))
8028-48-6	Orange, sweet, ext.	<b>EC<sub>50</sub>:</b> 45 mg/l 2 d (Daphnia magna (Big water flea)) <b>NOEC:</b> 50 mg/l 3 d (Desmodesmus subspicatus)

# SAFETY DATA SHEET

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

**Revision date:** 09-Jul-2018

**Print date:** 09-Jul-2018

**Version:** 3

Page 7/9



## ClaraClean - L3

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### Additional ecotoxicological information:

There are no data available on the preparation/mixture itself. The product has not been tested. The information in this section is derived from the properties of the individual components.

### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Yes, rapidly	

### Biodegradation:

The surfactant contained in this mixture complies 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
68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	—
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	—
8028-48-6	Orange, sweet, ext.	—

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.

## 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:

16 10 01 *	Aqueous liquid wastes containing hazardous substances
------------	---

\*: Evidence for disposal must be provided.

#### Remark:

Wastecode according to regulation EU 2014/955.

#### Waste code packaging:

15 01 02	Plastic packaging
----------	-------------------

### Waste treatment options

#### Appropriate disposal / Package:

Contaminated packaging has to be collected as hazardous waste. Clean containers with water if necessary using cleaning agents. Cleaned containers may be eliminated as household waste.

### 13.2. Additional information

No data available.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

# SAFETY DATA SHEET

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

**Revision date:** 09-Jul-2018

**Print date:** 09-Jul-2018

**Version:** 3

Page 8/9



## ClaraClean - L3

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 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 applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Other regulations (EU):

Regulation (EC) No. 648/2004 (Detergents regulation):

anionic surfactants 15-30 %

nonionic surfactants 5-15 %

phosphonates <5 %

perfumes (Limonenes, amyl-cinnamal)

#### 15.1.2. National regulations

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

This is the third version according to regulations (EC) 1272/2008 and (EU) 830/2015. Modifications compared to version 2: -

### 16.2. Abbreviations and acronyms

No data available.

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

Safety data sheet of the manufacturer.



# SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 9/9



## ClaraClean - L3

### 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
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.

### 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.