

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 1/7



ClaraClean - L4

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

1.1. Product identifier

Trade name/designation:

ClaraClean - L4

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

Use of the substance/mixture:

Neutralising agent 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 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
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

hazard statements for health hazards	
H319	Causes serious eye irritation.

Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P280.2	Wear protective gloves and eye/face 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 2/7



ClaraClean - L4

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.
P337 + P313	If eye irritation persists: 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.: 77-92-9 EC No.: 201-069-1	citric acid Eye Irrit. 2 Warning H319	25 - 50 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 skin contact:

After contact with skin, wash immediately with plenty of water and soap.

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).

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

Causes 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. Carbon dioxide (CO₂). Extinguishing powder.

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Carbon dioxide (CO₂). Carbon monoxide.

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.

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 3/7



ClaraClean - L4

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.

6.1.2. For emergency responders

Personal protection equipment:

No data available.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If large quantities have to be handled: Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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). Dispose of the residus of the product as hazardous waste (see section 13).

For cleaning up:

Water (with cleaning agent).

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. Storage temperature: 5°C to 30°C. Protect from sunlight.

Requirements for storage rooms and vessels:

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:

Neutralising agent for professional use.

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.

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 4/7



ClaraClean - L4

8.2.2. Personal protection equipment



Eye/face protection:

Wear tightly sealed safety glasses in accordance to EN 166.

Skin protection:

Il est recommandé de porter des gants de protection selon Wash contaminated clothing prior to re-use.

Respiratory protection:

Not necessary in case of normal use.

8.2.3. Environmental exposure controls

Don't allow to enter drains/surface water/groundwater.

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: colourless

Odour: odourless

Safety relevant basis data

parameter		at °C	Method	Remark
pH	2 - 3	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			
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	1.26 g/cm ³	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	<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

Stable if handled and stored according to recommendations given at chapter 7.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 5/7



ClaraClean - L4

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
77-92-9	citric acid	LD₅₀ oral: 3,000 mg/kg (Rat) LD₅₀ dermal: >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:

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:

Causes serious eye irritation.

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:

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
77-92-9	citric acid	LC₅₀: 160 mg/l 2 d

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

Biodegradation:

Readily biodegradable (according to OECD criteria).

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 6/7



ClaraClean - L4

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
77-92-9	citric acid	—

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

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

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

SAFETY DATA SHEET

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

Revision date: 09-Jul-2018

Print date: 09-Jul-2018

Version: 3

Page 7/7



ClaraClean - L4

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):

No data available.

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. Security safety data sheet of the ingredients.

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 Irrit. 2)	H319: Causes serious eye irritation.	

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

Hazard statements	
H319	Causes serious eye irritation.

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.