

## Safety Data Sheet

according to UK REACH Regulation

### ClaraClean FC5 E

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 1 of 9

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

### 1.1. Product identifier

ClaraClean FC5 E

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

#### Use of the substance/mixture

Special - Detergent for modern cleaning textiles containing enzymes  
Restricted to professional users.

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

Company name:	Avet AG	
Street:	Eichwiesstrasse 9	
Place:	CH-8630 Rüti-Zürich	
Telephone:	055 251 40 60	Telefax: 055 251 40 61
Contact person:	info@avet.ch	
Internet:	www.avet.ch	

**1.4. Emergency telephone number:** +41 44 251 51 51 (Tel. 145)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

alcohol, ethoxylated  
isotridecanol, ethoxylated

**Signal word:** Danger

#### Pictograms:



#### Hazard statements

H318 Causes serious eye damage.

#### Precautionary statements

P280 Wear protective gloves and eye protection.  
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.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Safety Data Sheet**

according to UK REACH Regulation

**ClaraClean FC5 E**

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 2 of 9

**Hazardous components**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
68439-50-9	alcohol, ethoxylated	5 - < 10 %
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412	
69011-36-5	isotridecanol, ethoxylated	2.5 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318	
85711-69-9	secondary alkane sulphonate - sodium salt	1 - < 2.5 %
	288-330-3	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
101-84-8	diphenyl ether	< 1 %
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H319 H400 H410	

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68439-50-9		alcohol, ethoxylated	5 - < 10 %
		oral: ATE = 500 mg/kg	
69011-36-5		isotridecanol, ethoxylated	2.5 - < 5 %
		oral: ATE = 500 mg/kg	
85711-69-9	288-330-3	secondary alkane sulphonate - sodium salt	1 - < 2.5 %
		oral: LD50 = > 2000 mg/kg	
101-84-8		diphenyl ether	< 1 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: Data lacking	

**Labelling for contents according to Regulation (EC) No 648/2004**

5 % - < 15 % non-ionic surfactants, < 5 % anionic surfactants, enzymes, perfumes (Hexyl cinnamal, Citronellol).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical advice. If medical advice is needed, have product container or label at hand.

**After inhalation**

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

**After contact with skin**

Wash with plenty of water. Change contaminated clothing. In case of skin irritation, seek medical treatment.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Call a doctor if you feel unwell.

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

No known symptoms to date. In all cases of doubt, or when symptoms persist, seek medical advice.

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



## Safety Data Sheet

according to UK REACH Regulation

### ClaraClean FC5 E

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 3 of 9

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

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

Co-ordinate fire-fighting measures to the fire surroundings.  
Foam, Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Water spray.

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

The product itself does not burn.

##### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

###### **Additional information**

Suppress gases/vapours/mists with water spray jet. 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

###### **General advice**

Wear personal protection equipment.  
Wear suitable protective clothing, gloves and eye/face protection.

##### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

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

###### **Other information**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, universal binding agents). After cleaning, flush away traces with water. Treat the recovered material as prescribed in the section on waste disposal.  
Dispose according to legislation.

##### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

###### **Advice on safe handling**

Avoid contact with skin and eyes.  
Observe instructions for use.

###### **Advice on protection against fire and explosion**

The product is not: Combustible.  
The product is not: Explosive.

###### **Advice on general occupational hygiene**

Keep eye rinsing device ready. Avoid contact with skin and eyes. Avoid breathing vapours/spray. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.  
Apply skin care products after work.

###### **Further information on handling**

No special handling instructions are necessary.

## Safety Data Sheet

according to UK REACH Regulation

### ClaraClean FC5 E

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 4 of 9

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

##### Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed.

Protect from direct sunlight. Store in a cool dry place.

Recommended storage temperature: at room temperature

##### Hints on joint storage

Do not store together with: Food and fodder

##### Further information on storage conditions

Minimum storage temperature: 5°C

Maximum storage temperature: 30°C

Storage class (D):

12 (non-combustible liquids that cannot be assigned to any of the above storage classes)

#### 7.3. Specific end use(s)

Follow the instructions for use on the label.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
101-84-8	Diphenyl ether	1	7		TWA (8 h)	WEL
		2	14		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL
9014-01-1	Subtilisins (Bacillus subtilis Carlsberg)	-	0.00004		TWA (8 h)	WEL

#### 8.2. Exposure controls



##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Tightly sealed safety glasses. Eye-pieces out of plastic. EN 166

##### Hand protection

Tested protective gloves must be worn (EN ISO 374).

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Thickness of the glove material:  $\geq 0,1$  mm

Breakthrough time:  $\leq 480$  min

Observe the wear time limits as specified by the manufacturer.

##### Skin protection

Only wear fitting, comfortable and clean protective clothing.

##### Respiratory protection

Usually no personal respirative protection necessary. Avoid breathing vapours/spray.



## Safety Data Sheet

according to UK REACH Regulation

### ClaraClean FC5 E

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 5 of 9

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	blue
Odour:	characteristic

#### Changes in the physical state

Boiling point or initial boiling point and boiling range:	No data available
Flash point:	No data available
pH-Value:	8.0 - 9.0
Water solubility:	completely miscible
Density:	1.030 - 1.050 g/cm <sup>3</sup>

### 9.2. Other information

#### Other safety characteristics

none

## 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 hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Protect against: Frost, Heat.  
Protect from sunlight.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

**Safety Data Sheet**

according to UK REACH Regulation

**ClaraClean FC5 E**

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 6 of 9

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68439-50-9	alcohol, ethoxylated				
	oral	ATE 500 mg/kg			
69011-36-5	isotridecanol, ethoxylated				
	oral	ATE 500 mg/kg			
85711-69-9	secondary alkane sulphonate - sodium salt				
	oral	LD50 > 2000 mg/kg	Ratte	OECD 401	
101-84-8	diphenyl ether				
	oral	Data lacking			
	dermal	Data lacking			
	inhalation	Data lacking			

**Irritation and corrosivity**

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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 on tests**

Classification according to Regulation (EC) No 1272/2008 [CLP] Calculation method. The product has not been tested.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
85711-69-9	secondary alkane sulphonate - sodium salt					
	Acute fish toxicity	LC50 1 - 5 mg/l	96 h	Zebraabärbling	Methode OECD 203	
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Pseudomonas putida	DIN 38412 T.8	
101-84-8	diphenyl ether					
	Aquatic toxicity	Data lacking				

**12.2. Persistence and degradability**

The product has not been tested. The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**Safety Data Sheet**

according to UK REACH Regulation

**ClaraClean FC5 E**

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 7 of 9

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
69011-36-5	isotridecanol, ethoxylated			
	OECD 301A	> 70 %	28	
	Readily biodegradable (according to OECD criteria).			
85711-69-9	secondary alkane sulphonate - sodium salt			
	OECD 302 B	>90%	15	
	OECD 301 E	89	21	
	leicht abbaubar			
	OECD 301 B	78	28	
	Die Angaben beziehen sich auf den Hauptbestandteil			

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

If product enters soil, it will be mobile and may contaminate groundwater.

**12.5. Results of PBT and vPvB assessment**

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

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

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

There are no data available on the mixture itself.

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP] Calculation method. The product has not been tested.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

**List of Wastes Code - used product**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packages and rinsed out with plenty of water can be disposed of as refuse. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**Safety Data Sheet**

according to UK REACH Regulation

**ClaraClean FC5 E**

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 8 of 9

- 14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

- 14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

- 14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

- 14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

**Additional information**

The following substances may cause allergic reactions: perfumes

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**Additional information**

Water hazard class (CH): Class B (Self-classification)

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method

**Relevant H and EUH statements (number and full text)**

H302 Harmful if swallowed.  
H315 Causes skin irritation.



**Safety Data Sheet**

according to UK REACH Regulation

**ClaraClean FC5 E**

Revision date: 04.08.2022

Product number: 2.414.101.20

Page 9 of 9

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.

**Further Information**

For industrial purposes only. Follow the instructions for use on the label. 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.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*