

# Safety Data Sheet

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

Trade name : HD 435 Cleansing lotion  
Revision : 02.01.2018  
Print date : 02.01.2018

Version (Revision) : 3.0.1 (3.0.0)

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

### 1.1 Product identifier

HD 435 Cleansing lotion

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

#### Relevant identified uses

HD 435 is a mild wash lotion that does not contain any soaps or alkaline ingredients.

#### Product Categories [PC]

PC39 - Cosmetics, personal care products

#### Uses advised against

None, if handled according to order.

#### Remark

The product is intended for professional use.

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

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

orochemie GmbH + Co. KG

**Street :** Max-Planck-Straße 27

**Postal code/city :** 70806 Kornwestheim

**Telephone :** +49 7154 1308-0

**Telefax :** +49 7154 1308-40

**Information contact :** DÜRR DENTAL SE, Höpfigheimer Str. 17, 74321 Bietigheim-Bissingen, Germany

Tel: +49 7142 705-0, Fax: +49 7142 705-500, info@duerrdental.com

in Great Britain/Ireland:

DÜRR DENTAL [Products] UK Ltd., 14 Linnell Way - Telford Way Industrial Estate, Kettering Northants NN16 8PS, United Kingdom

Tel: +44 1536 526740, Fax.: +44 1536 526749, info@duerruk.com

### 1.4 Emergency telephone number

INT: +49 6132 84463 (24 h/7 d)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

According to EC directives or the corresponding national regulations the product does not have to be labelled.

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

None

#### Classification procedure

Cosmetics

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

HD 435 contains skin-mild surfactants, refatting substances, allantoin, fragrances and auxiliary agents in aqueous solution.

#### Hazardous ingredients

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CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; REACH registration No. : - ; EC No. : 630-549-7; CAS No. : 127281-18-9

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319 Aquatic Chronic 3 ; H412

FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; REACH registration No. : - ; EC No. : 221-416-0; CAS No. : 9004-82-4

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412

ALKYLPOLYETHYLENEGLYCOLTETRADECECYLENEGLYKOLETHER ; REACH registration No. : - ; CAS No. : 96081-39-9

Weight fraction :  $\geq 1 - < 5$  %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

No special measures are necessary.

#### In case of skin contact

When in doubt or if symptoms are observed, get medical advice.

#### 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

No special measures are necessary. Never give anything by mouth to an unconscious person or a person with cramps.

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

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

High power water jet

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

None known.

#### Hazardous combustion products

None known.

### 5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

#### Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. See protective measures under point 7 and 8.

#### For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

#### For emergency responders

##### Personal protection equipment

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

No special environmental measures are necessary.

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

#### For cleaning up

No special measures are necessary.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum.

#### Protective measures

##### Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

### 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. Keep in a cool, well-ventilated place. Do not store in temperatures below 5 °C.

#### Hints on joint storage

Store the foodstuffs separately.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL/DMEL and PNEC values

There are no data available on the preparation itself.

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

No special measures are necessary.

##### Skin protection

###### Hand protection

No special measures are necessary.

###### Body protection

Body protection: not required.

##### Respiratory protection

No special measures are necessary.

#### General health and safety measures

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Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

### Occupational exposure controls

#### Technical measures to prevent exposure

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** blue-green

**Odour :** aromatic

#### Safety relevant basis data

<b>Melting point/melting range :</b>	( 1013 hPa )		No data available	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	approx.	100	°C
<b>Decomposition temperature :</b>	( 1013 hPa )		No data available	
<b>Flash point :</b>			not applicable	
<b>Ignition temperature :</b>			not applicable	
<b>Lower explosion limit :</b>			not applicable	
<b>Upper explosion limit :</b>			not applicable	
<b>Vapour pressure :</b>	( 50 °C )		No data available	
<b>Density :</b>	( 20 °C )		1 - 1,03	g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )	<	3	%
<b>Water solubility :</b>	( 20 °C )		100	Wt %
<b>pH value :</b>			4,9 - 5,9	
<b>log P O/W :</b>			No data available	
<b>Flow time :</b>	( 20 °C )	approx.	120	s
<b>Odour threshold :</b>			No data available	
<b>Maximum VOC content (EC) :</b>			1,2	Wt %
<b>Oxidising liquids :</b>		Not applicable.		
<b>Explosive properties :</b>		Not applicable.		
<b>Corrosive to metals :</b>		Not corrosive to metals.		

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None, if handled according to order.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

None, if handled according to order.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

There are no data available on the mixture itself.

#### Acute effects

##### Acute oral toxicity

Parameter : ATEmix calculated  
Exposure route : Oral  
Effective dose : not relevant  
Parameter : LD50 ( ALKYL POLYETHYLENEGLYCOLTETRADECECYLENEGLYKOLETHER ; CAS No. : 96081-39-9 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 mg/kg  
Parameter : LD50 ( CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; CAS No. : 127281-18-9 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 mg/kg  
Method : OECD 401

No data available.

##### Practical experience/human evidence

No known toxic effects on humans.

##### Acute dermal toxicity

Parameter : ATEmix calculated  
Exposure route : Dermal  
Effective dose : not relevant  
Parameter : LD50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 2000 mg/kg

##### Acute inhalation toxicity

Parameter : ATEmix calculated  
Exposure route : Inhalative (vapour)  
Effective dose : not relevant

#### Irritant and corrosive effects

Not an irritant.

#### Sensitisation

No data available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No information available.

### 11.5 Additional information

Cosmetics

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

There are no data available on the preparation itself.

##### Acute (short-term) fish toxicity

Parameter : LC50 ( ALKYL POLYETHYLENEGLYCOLTETRADECECYLENEGLYKOLETHER ; CAS No. :

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96081-39-9 )  
Species : Fish  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 1,1 - 10 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; CAS No. : 127281-18-9 )  
Species : Cyprinus carpio (Common Carp)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 10 - 100 mg/l  
Exposure time : 96 h  
Method : OECD 203  
Parameter : LC50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Species : Brachydanio rerio (zebra-fish)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 1 mg/l  
Exposure time : 96 h

### Acute (short-term) daphnia toxicity

Parameter : EC50 ( CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; CAS No. : 127281-18-9 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Method : OECD 202  
Parameter : EC50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Species : Daphnia  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : > 1 mg/l

### Acute (short-term) algae toxicity

Parameter : EC50 ( CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; CAS No. : 127281-18-9 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 100 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : EC50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 1 mg/l  
Exposure time : 72 h

### Bacteria toxicity

Parameter : EC50 ( CAPRYLIC-/CAPRIC ACID PARTIAL GLYCERIDE-6EO ; CAS No. : 127281-18-9 )  
Species : Pseudomonas putida  
Evaluation parameter : Bacteria toxicity  
Effective dose : 430 mg/l  
Exposure time : 3 h  
Method : OECD 209  
Parameter : EC50 ( FATTY ALCOHOL ETHERSULFATE, SODIUM SALT ; CAS No. : 9004-82-4 )  
Species : Bacteria toxicity  
Effective dose : > 10000 mg/l  
Exposure time : 16 h

## 12.2 Persistence and degradability

### Abiotic degradation

No data available.

### Biodegradation

The surfactants comply with OECD guidelines and are therefore biodegradable.

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### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

#### Known or predicted distribution to environmental compartments

No data available

#### Adsorption/Desorption

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

Prevent from flowing into surface water/ground water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Concentrate/larger quantities: 07 06 01\* aqueous cleaning liquid.

##### Waste treatment options

##### Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

EU legislation

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### 15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients

### 16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimates  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CMR = Carcinogen, Mutagen or Reproductive toxicant  
CO<sub>2</sub> = Carbon dioxide  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EC = European Commission  
EC50 = Half maximal effective concentration  
EN = European Standard (Norm)  
EU = European Union  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
H statement = GHS Hazard statement  
IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions  
IMDG = International Maritime Dangerous Goods  
LC50 = Median lethal concentration  
LD50 = Median lethal dose  
LogPow = Logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NOEC/NOEL = No observed effect concentration/level  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RMM = Risk Management Measure  
RRN = REACH Registration Number  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
SVHC = Substances of Very High Concern  
TLV/STEL = Threshold limit value/short-term exposure limit  
TLV/TWA = Threshold limit value/time weighted average  
UN = United Nations  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### 16.3 Key literature references and sources for data

None

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

No information available.

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



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H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6 Training advice

None

### 16.7 Additional information

Notice the directions for use on the label.

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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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