

MANGIACALCARE WC DISINCROSTANTE active gel

Safety Data Sheet

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

1.1. Product identifier

Code: D7011723
Product name: MANGIACALCARE WC DISINCROSTANTE active gel

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

Identified Uses	Industrial	Professional	Consumer
Wc drain cleaner	-	-	✓

Uses Advised Against

This product is not recommended for other uses.

1.3. Details of the supplier of the safety data sheet

Name: Biochimica S.p.A.
Full address: Via Roma, 49
District and Country: 40069 Zola Predosa (BO)
tel. +39 051 755269
fax +39 051 752707
ITALIA

Name responsible for the Safety Data Sheet: Biochimica S.p.A.
info@biochimicaspa.it

1.4. Emergency telephone number

For urgent inquiries refer to

C.A.V.: Vp Osp. Pediatrico Bambino Gesù Roma 06 68593726-Osp. Niguarda Cà Grande Milano 02-66101029 - Az. Osp. A. Cardarelli Napoli 081-7472870 - CAV Policlinico A. Gemelli Roma 06-3054343-Az.Osp. Univ. Foggia 0881732326 - CAV Policlinico Umberto I Roma 06-49978000 - Az. Osp. Carreggi U.O. Tossicologia medica Firenze 055-7947819 - CAV Centro nazionale di informazione tossicologica Pavia 0382-24444 - Azienda Ospedaliera Papa Giovanni XXII Bergamo 800883300

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Substance or mixture corrosive to metals, category 1	H290	May be corrosive to metals.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Hazardous to the aquatic environment, chronic toxicity,	H412	Harmful to aquatic life with long lasting effects.

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

category 3

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: HYDROCHLORIC ACID
2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Less than 5% cationic surfactants, non-ionic surfactants

parfumes

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients**3.2. Mixtures**

Contains:

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Identification	x = Conc. %	Classification 1272/2008 (CLP)
HYDROCHLORIC ACID		
CAS -	$12,5 \leq x < 14$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: B
EC 231-595-7		
INDEX 017-002-01-X		
Reg. no. 01-2119484862-27		
2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL		
CAS 25307-17-9	$0,8 \leq x < 1,24$	Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1
EC 246-807-3		
INDEX -		
Reg. no. 01-2119510876-35		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

HYDROCHLORIC ACID

Unsuitable extinguishing media:

Water jets.

5.2. Special hazards arising from the substance or mixture

According to Annex II to REACH - Regulation 2015/830

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

HYDROCHLORIC ACID

Vapors can cause dizziness, fainting or suffocation.

5.3. Advice for firefighters**GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2019

HYDROCHLORIC ACID

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	3	2	6	4
VLEP	ITA	8	5	15	10
OEL	EU	8	5	15	10
TLV-ACGIH				2,9 (C)	2 (C)

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation	15 mg/m3		8 mg/m3		15 mg/m3		8 mg/m3	

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,000214	mg/l
Normal value in marine water	0,0000214	mg/l
Normal value for fresh water sediment	1,692	mg/kg
Normal value for marine water sediment	0,1692	mg/kg
Normal value for water, intermittent release	0,00087	mg/l
Normal value of STP microorganisms	1,5	mg/l
Normal value for the food chain (secondary poisoning)	2	mg/kg
Normal value for the terrestrial compartment	5	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,214 mg/kg bw/d				
Inhalation				0,745 mg/m3				2,112 mg/m3
Skin				0,214 mg/kg bw/d				0,3 mg/kg bw/d

Legend:

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	liquid	
Colour	green	
Odour	characteristic	
Odour threshold	Not applicable	
pH	1	
Melting point / freezing point	Not applicable	Reason for missing data:liquid mixture

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According to Annex II to REACH - Regulation 2015/830

Initial boiling point	Not applicable	
Boiling range	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Flash point	Not applicable	
Evaporation rate	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Flammability (solid, gas)	Non applicabile , Miscela liquida	
Lower inflammability limit	Not applicable	Reason for missing data:not explosive mixture
Upper inflammability limit	Not applicable	Reason for missing data:not explosive mixture
Lower explosive limit	Not applicable	Reason for missing data:any explosive substances in mixture
Upper explosive limit	Not applicable	Reason for missing data:any explosive substances in mixture
Vapour pressure	Not applicable	
Vapour density	Not applicable	
Relative density	1,067 g/cm3	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	Not applicable	Reason for missing data:non applicabile (miscela)
Auto-ignition temperature	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Decomposition temperature	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Viscosity	80 cps	
Explosive properties	Non applicabile, Non contiene sostanze esplosive	
Oxidising properties	Non applicabile, non contiene sostanze ossidanti.	

9.2. Other information

Total solids (250°C / 482°F)	1,61 %
VOC (Directive 2010/75/EC) :	0
VOC (volatile carbon) :	0

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

HYDROCHLORIC ACID

By decomposition it develops hydrogen.

10.2. Chemical stability

According to Annex II to REACH - Regulation 2015/830

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

HYDROCHLORIC ACID

Risk of explosion on contact with: alkaline metals, aluminium powder, hydrogen cyanide, alcohol.

Reacts violently with bases and oxidants, developing toxic chlorine gas.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

HYDROCHLORIC ACID

Heating.

10.5. Incompatible materials

HYDROCHLORIC ACID

Incompatible with: alkalis, organic substances, strong oxidants, metals.

Metals, alkalis and organic bases, carbon-containing minerals, strong oxidants, sulfides, sulfates, sodium azide.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

HYDROCHLORIC ACID

In decomposition develops: hydrochloric acid fumes.

Above the decomposition temperature, gaseous hydrogen chloride fumes may develop.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:
Not classified (no significant component)
LD50 (Oral) of the mixture:
>2000 mg/kg
LD50 (Dermal) of the mixture:
Not classified (no significant component)

HYDROCHLORIC ACID

LC50 (Inhalation) 45,6 mg/l

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

LD50 (Oral) 1260 mg/kg

HYDROCHLORIC ACID

Acute toxicity (oral): data not available
Method: no guideline followed, publication (1974)
Reliability (Klimisch score): 2
Species: rat (CFE (Sprague-Dawley derived) Male)
Routes of exposure: inhalation (gas / aerosol)
Results CL50 (gas): 40989 ppm 5 min
Results CL50 (gas): 4701 ppm 30 min
Results LC50 (aerosol): 45.6 mg / l / 5 min
Results LC50 (aerosol): 8.3 mg / l / 30min
Acute toxicity (dermal): data not available.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 401
Reliability (Klimisch score): 1
Species: Rat (Sprague-Dawley CFY Male / Female)
Routes of exposure: oral
Results LD50: 1260 mg / kg
The substance is classified as acute oral toxic Cat. 4.

SKIN CORROSION / IRRITATION

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Corrosive for the skin
Classification according to the experimental Ph value

HYDROCHLORIC ACID

Corrosive substance based on concentration, has specific limits according to Annex VI reg. CLP:
Skin Irrit. 2; H315: $10\% \leq C < 25\%$
Skin Corr. 1B; H314: $C \geq 25\%$

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 404
Reliability (Klimisch score): 1
Species: rabbit (small white Russian, Chbb-SPF)
Results: corrosive to the skin Cat. 1B.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

HYDROCHLORIC ACID

Corrosive substance based on concentration, has specific limits according to Annex VI reg. CLP:
Eye Irrit. 2; H319: $10\% \leq C < 25\%$
Skin Corr. 1B; H314: $C \geq 25\%$

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

The substance, as classified as corrosive to skin Cat. 1B, is also classified for serious eye damage Cat. 1.

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Skin sensitization
HYDROCHLORIC ACID

Method: OECD 406
Reliability (Klimisch score): 2
Species: mouse (CF-1 Female), guinea pig (Female)
Results: non-sensitizing.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 406
Reliability (Klimisch score): 1
Species: guinea pig (Hartley Male / Female)
Results: non-sensitizing.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

HYDROCHLORIC ACID

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Method: OECD 481
Reliability (Klimisch score): 2
In vitro test
Species: Saccharomyces cerevisiae strain D4
Results: negative with metabolic activation - negative without metabolic activation
In vivo test: data not available.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 476
Reliability (Klimisch score): 1
In vitro test
Species: mouse L5178Y (lymphoma cells)
Results: non-mutagenic.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

HYDROCHLORIC ACID

Based on the available data, the substance has no carcinogenic effects and is not classified under the CLP hazard class of carcinogenicity.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility
2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 422
Reliability (Klimisch score): 1
Species: rat (Wistar; Male / Female)
Routes of exposure: oral
Results NOEL (P0): 30 mg / kg body weight / day.

Adverse effects on development of the offspring

HYDROCHLORIC ACID

Method: no guideline followed, publication (1976)
Reliability (Klimisch score): 4
Species: rat (Wistar)
Routes of exposure: inhalation
Results: The study was conducted at an extremely toxic concentration, causing deaths and severe damage to the mothers, confusing any possible interpretation of the effects of exposure on the fetuses. However, the substance is not reported as toxic for reproduction by the harmonized classification.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Method: OECD 414
Reliability (Klimisch score): 1
Species: rat (Sprague-Dawley)
Routes of exposure: oral
Results NOEL (maternal): 150 mg / kg body weight / day
Results NOEL (development): 150 mg / kg body weight / day.

STOT - SINGLE EXPOSURE

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

May cause respiratory irritation

HYDROCHLORIC ACID

May irritate the respiratory tract. Affected organs: lungs and respiratory system (Harmonized classification, Annex VI of Reg. CLP). Exposure by inhalation immediately causes irritation of the respiratory system. You may have runny nose, sneezing, nasal and pharyngeal burning sensation, coughing, wheezing, chest pain. Important complications are laryngeal edema or bronchospasm.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

HYDROCHLORIC ACID

Based on the available data, the substance does not present specific toxic effects for target organs by repeated exposure and is not classified under the relevant CLP hazard class.

Method: equivalent or similar to OECD 413

Reliability (Klimisch score): 1

Species: rat (Sprague Dawley (CD) Male / female; Fischer-344 (CDF) Male / Female)

Routes of exposure: inhalation

Results NOAEL: 20 ppm

LOAEL results: 50 ppm

NOEL results: 10 ppm

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Based on the available data, the substance has no specific target toxicity effects for repeated exposure and is not classified under the relevant CLP hazard class.

Method: OECD 408

Reliability (Klimisch score): 1

Species: rat (Wistar Male / Female)

Routes of exposure: oral

NOEL results: 5 mg / kg body weight / day.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

HYDROCHLORIC ACID

There are no data available for hazards in case of aspiration.

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

There are no data available for hazards in case of aspiration.

SECTION 12. Ecological information

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

HYDROCHLORIC ACID

LC50 - for Fish	20,5 mg/l/96h <i>Lepomis macrochirus</i>
EC50 - for Crustacea	0,45 mg/l/48h <i>Daphnia Magna</i> ; OECD 202
EC50 - for Algae / Aquatic Plants	0,73 mg/l/72h <i>Chlorella vulgaris</i> ; OECD 201
Chronic NOEC for Algae / Aquatic Plants	0,364 mg/l <i>Chlorella vulgaris</i> ; OECD 201

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

LC50 - for Fish	0,1 mg/l/96h <i>Danio rerio</i> ; OECD 203; read-across
EC50 - for Crustacea	0,043 mg/l/48h <i>Daphnia Magna</i> , OECD 202
EC50 - for Algae / Aquatic Plants	0,0867 mg/l/72h <i>Pseudokirchneriella subcapitata</i> ; OECD 201
EC10 for Crustacea	0,0107 mg/l/21d <i>Daphnia magna</i> ; OECD 211
EC10 for Algae / Aquatic Plants	0,015 mg/l/72h <i>Pseudokirchnerella subcapitata</i> ; OECD 201

12.2. Persistence and degradability

HYDROCHLORIC ACID

Solubility in water	500000 mg/l
Degradability: information not available	

sostanza inorganica

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Solubility in water	5,9 mg/l
Rapidly degradable	
63% in 28d; OECD 301 D	

12.3. Bioaccumulative potential

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Partition coefficient: n-octanol/water	3,4 Log Kow 25°C; OECD 123
BCF	23,4

12.4. Mobility in soil

2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL

Partition coefficient: soil/water	90520 OECD guideline 106
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12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

MANGIACALCARE WC DISINCROSTANTE active gel

According to Annex II to REACH - Regulation 2015/830

Information not available

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

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information**14.1. UN number**

ADR / RID, IMDG, 3264
IATA:

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID; 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)
IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID; 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)
IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID; 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8

**14.4. Packing group**

ADR / RID, IMDG, II
IATA:

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

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According to Annex II to REACH - Regulation 2015/830

IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80	Limited Quantities: 1 L	Tunnel restriction code: (E)
IMDG:	Special Provision: - EMS: F-A, S-B	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 30 L	Packaging instructions: 855
	Pass.:	Maximum quantity: 1 L	Packaging instructions: 851
	Special Instructions:	A3, A803	

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

Information not relevant

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

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product
Point 3 - 40Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

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None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory 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.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation

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- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

PROCEDURA DI CALCOLO:

H290 (Met Corr.1), H335 (STOT SE 3): proprietà chimico fisica

H314, Skin Corr.1: pH estremo

H412, Aq Chronic 3: metodo di calcolo

Changes to previous review:

The following sections were modified:

02 / 03 / 05 / 08 / 09 / 10 / 11 / 12 / 15 / 16.