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**1. Identification of the substance / preparation and of the company / undertaking**

**1.1 Identification of the product:**

Commercial name **WC GEL CANDEGGINA LINDOR**

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

Sectors of use Whiteners and bleaches  
Private households (= general public = consumers)[SU21],  
Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against Do not use for purposes other than those listed

**1.3 Details of the supplier of the safety data sheet Company identification:**

Manufacture NEW FADOR S.r.l.  
Via M. Calderara 31 - 25018 Montichiari (BS)  
Phone Tel. +39 030 961243 - Fax +39 030 962500  
[www.newfador.it](http://www.newfador.it) - [info@newfador.it](mailto:info@newfador.it)

**1.4 Telephone number for emergency:**

Phone. + 39 030 961243 (from 8.30 to 17.30 – Monday/Friday)  
In paragraph 16 of this data sheet are given the contact details of poison control centers in Italy active 24 hours on 24.

**2. Hazards identification**

**2.1 Classification of the substance or mixture:**

Classification according to Regulation (EC) 1272/2008:

Pictograms:  
GHS05

Hazard Class and Category Code(s):  
Skin Corr. 1A

Hazard statement Code(s):  
H314 - Causes severe skin burns and eye damage.

Corrosive product: causes severe skin burns and eye damage.

**2.2 Label elements:**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS05 - Danger



Hazard statement Code(s):  
H314 - Causes severe skin burns and eye damage.

Supplemental Hazard statement Code(s):  
EUH206 - Warning! Do not use together with other products. May release dangerous gases (chlorine).

Precautionary statements:

General

P102 - Keep out of reach of children.

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

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/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.


P310 - Immediately call a POISON CENTER.

Storage

P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in compliance with the regulations.

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Contains: Sodium hypochlorite, solution 2,2% Cl active

Contains (Reg. EC 648/2004): < 5%, chlorine-based bleaching agents, soap, non-ionic surfactants, anionic surfactants, perfumes.

### 2.3 Other hazards:

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

No information on other hazards.

Packaging to be fitted with child-resistant fastenings.

Packaging to be fitted with a tactile warning.

### 3. Composition / information on ingredients

#### 3.1 Substance:

Irrelevant.

#### 3.2 Mixture:

Refer to paragraph 16 for full text of hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Potassium oleate	> 1 <= 5%	Skin Irrit. 2, H315; Eye Irrit. 2, H319	n.a.	143-18-0	205-590-5	n.a.
Potassium cocoate	> 1 <= 5%	Skin Irrit. 2, H315; Eye Irrit. 2, H319	N.A.	61789-30-8	263-049-9	N.A.
Sodium Hypochlorite, solution 18%	> 1 <= 2.2%	Skin Corr. 1B, H314; Aquatic Acute 1, H400 10 10	017-011-00-1	7681-52-9	231-668-3	01-2119488154-34
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	> 1 <= 2%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	N.A.	308062-28-4	931-292-6	01-2119490061-47-0000
sodium hydroxide	>= 0,1 <= 1%	Met. Corr. 1, H290; Skin Corr. 1A, H314	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27
Myristamine Oxide	> 0,1 <= 1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400	N.D.	3333-27-2	222-059-3	N.D.

### 4. First aid measures



#### 4.1 Description of first aid measures:

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

In case of contact with skin, wash immediately with water.

Consult a physician immediately

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.


Ingestion:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately..

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

Corrosive product: causes severe skin burns and eye damage.

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

If medical advice is needed, have product container or label at hand.  
Immediately call a POISON CENTER.

**5. Firefighting measures**



**5.1 Extinguishing media:**

Recommended extinguishing means:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool surfaces of the containers exposed to fire.

**5.2 Special hazards arising from the substance or mixture:**

No data available.

**5.3 Advice for firefighters:**

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction.

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke.

Wear mask, gloves and protective clothing.

For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

**6.2 Environmental precautions:**

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations.

**6.3 Methods and materials for containment and cleaning up:**

For containment:

Rapidly recover the product, wear a mask and protective clothing.

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

For cleaning up:

After wiping up, wash with water the area and materials involved.

Other information:

None in particular.

**6.4 Reference to other sections:**

Refer to paragraphs 8 and 13 for more information.


**7. Handling and storage**

**7.1 Precautions for safe handling:**

Avoid contact and inhalation of vapors

Wear protective gloves/protective clothing/eye protection/face protection.

At work do not eat or drink.

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See also paragraph 8 below.

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

Keep in original container tightly closed. Do not store in open or unlabelled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool place, away from sources of heat and direct exposure of sunlight.

## 7.3 Specific end uses:

Private households (= general public = consumers):

Store in cool and dry places.

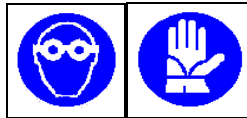
Public domain (administration, education, entertainment, services, craftsmen):

Handle with care.

Store in ventilated place away from heat sources.

Keep the container tightly closed.

## 8. Exposure controls / personal protection



### 8.1 Control parameters:

No data available on the mixture.

Related to contained substances:

Potassium oleate:

No data available.

Potassium Cocoate:

No data available.

Sodium hypochlorite, solution 18%:

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9

Specification: DNEL (GLOB)

Parameter: Effects sistemici\_Breve termine\_Inalazione\_Lavoratori

Value: 3.1 mg / m3

Released:

Specification: DNEL (GLOB)

Parameter: Effects locali\_Breve termine\_Inalazione\_Lavoratori

Value: 3.1 mg / m3

Released:

Specification: DNEL (GLOB)

Parameter: Effects sistemici\_Lungo termine\_Inalazione\_Lavoratori

Value: 1.55 mg / m3

Released:

Specification: DNEL (GLOB)

Parameter: Effects locali\_Breve termine\_Inalazione\_Popolazione

Value: 3.1 mg / m3

Released:

Specification: DNEL (GLOB)

Parameter: Effects sistemici\_Lungo termine\_Inalazione\_Popolazione

Value: 1.55 mg / m3

Released:

Specification: DNEL (GLOB)

Parameter: Oral

Value: 0.26 mg / kg

Released:

Specification: PNEC STP (GLOB)

Value: 0.03 mg / l

Released:

Specification: PNEC (GLOB)

Parameter: Emission desultory

Value: 0.26 kg / l

Released:


Specification: PNEC (GLOB)

Parameter: Oral

Value: 11.1 mg / kg

Released:

Specification: PNEC (GLOB)

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Parameter: Fresh water

Value: 0.21 kg / l

Released:

Specification: PNEC (GLOB)

Parameter: Aquamarine

Value: 0,042 Kg / l

Released:

Specification: TWA (GLOB)

Value: 0.5 ppm / 1.5 mg / cm<sup>3</sup>

Released:

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:

DNEL WORKERS

Long-term exposure Long - systemic effects Dermal: DNEL = 11 mg / kg / day

Long-term exposure Long - systemic effects, inhalation: DNEL = 6.2 mg / m<sup>3</sup>

DNEL POPULATION

Long term exposure - systemic effects Dermal: DNEL = 5.5 mg / kg / day

systemic effects, inhalation - long-term exposure: 1.53 mg / m<sup>3</sup>

Long term exposure - systemic effects, oral DNEL = 0.44 mg / kg / day

PNEC WATER

PNEC (freshwater): 0.0335 mg / l

PNEC (seawater): 0.00335 mg / l

PNEC (intermittent release): 0.0335 mg / l

PNEC sediment

PNEC (freshwater): 5.24 mg / Kg

PNEC (seawater): 0.524 mg / kg

PNEC SOIL

PNEC (soil): 1.02 mg / Kg

PNEC SEWAGE TREATMENT PLANT

PNEC (STP): 24 mg / Kg

Sodium hydroxide:

Specification: DNEL (EC)

Parameter: Effects locali\_Lungo termine\_Inalazione\_Lavoratori

Value: 1 mg / m<sup>3</sup>

Released:

Specification: DNEL (EC)

Parameter: Effects locali\_Lungo termine\_Inalazione\_Popolazione

Value: 1 mg / m<sup>3</sup>

Released:

Specification: TLV / TWA (EC)

Value: 2 mg / m<sup>3</sup>

Remarks: ACGIH

Released:

Myristamine Oxide:

There are no specific exposure limits for professional use. There are no biological limit values..

## 8.2 Exposure controls:

Appropriate engineering controls:

Private households (= general public = consumers):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Public domain (administration, education, entertainment, services, craftsmen):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Individual protection measures:

a) Eyes / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

b) Skin protection

i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

ii) Other

When handling the pure product wear full protective skin clothing (EN 14605).

c) Respiratory protection

Needed in case of insufficient ventilation or prolonged exposure.

d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.



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## 9. Physical and chemical properties

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

Physical and chemical propertise	Value	Method of determination
Physical state	Clear green liquid	
Odour	characteristic	
Odour threshold	not defined	
pH	12.00 - 12.5	
Melting point / freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	+ 100°C	
Flash point	data not available	ASTM D92
Evaporation rate	This property is not suitable for safety and product classification	
Flammability (solid, gas)	data not available	
Upper / lower flammability or explosive limits	This property is not suitable for safety and product classification	
Vapour pressure	0,785	
Relative vapour density	1.15 a 20°C	
Relative density	1,022	
Solubility	soluble in water	
Solubility in water	miscible	
Partition coefficient: n-octanol/water	data not available	
Self ignition temperature	This property is not suitable for safety and product classification	
Decomposition temperature	This property is not suitable for safety and product classification	
Viscosity	data not available	
Explosive properties	not classified as explosive, does not contain explosives according to reg. CLP Art. (14 (2))	
Oxidising properties	the product is not an oxidizing substance	

### 9.2 Other information:

No data available.

## 10. Stability and reactivity

### 10.1 Reactivity:

Reacts with acids.

### 10.2 Chemical stability:

No hazardous reaction when handled and stored according to provisions.

### 10.3 Possibility of hazardous reactions:

Acids (violent decomposition with evolution of chlorine). Metals (decomposition with formation of oxygen).

### 10.4 Conditions to avoid:

Direct sunlight. Sources of light/heat. Humidity.


### 10.5 Incompatible materials:

Acids.

The organic substances.

Metals such as copper, nickel, cobalt, iron and their salts and alloys.

Amines, methanol, and ammonium salts.

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## 10.6 Hazardous decomposition products:

Chlorine. Pu develop hydrogen chloride (HCl).

## 11. Toxicological information

### 11.1 Information on toxicological effects:

No toxicological tests have been performed on the mixture.

(A) acute toxicity: Myristamine Oxide: Rat oral LD50 [mg / kg]: 1064

(B) corrosion / irritation: Corrosive product: Causes severe skin burns and eye damage.

Myristamine Oxide: Irritating to the skin.

(C) serious eye irritation / injuries: Corrosive product: Causes severe skin burns and eye damage.

Myristamine Oxide: Severe irritant to the eyes.

(D) sensitization of the respiratory tract or skin: Myristamine Oxide: No.

(E) germ cell mutagenicity: Based on available data the classification criteria are not met.

(F) carcinogenicity: Based on the available data, the classification criteria are not met.

(G) reproductive toxicity: based on available data, the classification criteria are not met.

(H) specific target organ toxicity (STOT) single exposure: on the basis of available data, the classification criteria are not met.

(I) a specific target organ toxicity (STOT) Repeated exposure: on the basis of available data, the classification criteria are not met.

(J) aspiration hazard: on the basis of available data, the classification criteria are not met.

Related to contained substances:

Potassium oleate:

Ingestion: Acute oral toxicity (LD50 Rat) > 2000 mg / kg;

Eye Contact: (rabbit): irritant

Skin contact (rabbit 4 hours): irritant

Potassium Cocoate:

For skin contact: Irritating.

For eye contact: Irritant.

Chronic Effects: No, they are not known or expected health effects under normal use.

LD50 (Oral): > 1500 mg / kg Rat

Sodium hypochlorite, solution 18%:

LD50 values / LC50 values for classification

Specification: LC50

Route of administration: Orally

Test species: Rat

Value: > 2000

Specification: LC50

Routes of entry: Dermal

Test species: Rat

Value: > 2000

Specification: LC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Routes of entry: Inhalation

Test species: Rat (female)

Value: > 10.5 mg / l

For. Test: 1 h

Specification: LD50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Route of administration: Orally

Test species: Rat (male)

Value: = 1100 mg / kg

Specification: LD50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Routes of entry: Dermal

Test species: Rabbit

Value: > 20000 mg / kg

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:

Oral LD50: 1064 mg / kg (rat)

Irritability / corrosività sulla skin: Irritant to skin and mucous membranes.

on the eye: Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): not listed


Oral LD50 (rat) (mg / kg body weight) = 1064

Sodium hydroxide:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.



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EFFECTS OF SHORT-TERM EXPOSURE: Corrosive. The substance 'very corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion. Inhalation of the substance may cause lung edema (see Notes).

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Repeated or prolonged contact with skin may cause dermatitis.

#### ACUTE HAZARDS / SYMPTOMS

Inhalation Corrosive. Burning sensation. Sore throat. Cough. difficulty breathing. Heavy breath. Symptoms may be delayed (see Notes).

SKIN Corrosive. Redness. Ache. Serious skin burns. Blisters.

EYES Corrosive. Redness. Ache. blurred vision. Severe deep burns.

Ingestion Corrosive. Burning sensation. Abdominal pain. Shock or collapse.

**N O T E** The occupational exposure limit value should not be exceeded during any part of the working exposure. The symptoms of lung edema often do not become manifest until a few hours and they are aggravated by physical effort. They are therefore essential the rest and medical observation.

Oral LD50 (rat) (mg / kg body weight) = 500

Myristamine Oxide:

acute toxicity: LD 50 oral rat [mg / kg]: 1064

## 12. Ecological information

### 12.1 **Toxicity:**

The product has not been tested for environmental impact in the event of accidental release in the environment

Related to contained substances:

Potassium oleate:

Ecotoxic effects: Toxicity to daphnia EC50 (48H) 1-10 mg / l - fish toxicity LC50 (96H) 1-10 mg / l Carassius Auratus

AOX: The product does not contain organic halogen compounds.

heavy metals: the product does not contain heavy metals in concentrations that are relevant for the waste water.

Potassium Cocoate:

Toxicity to fish LC50> 1 mg / l

Toxicity to daphnia EC50> 1 mg / l

for algae toxicity EC50> 1 mg / l

Sodium hypochlorite, solution 18%:

Specification: EC 50

Parameter: Daphnia magna

Value ca. 0.04 mg / l

For. test: 48 h

Specification: LC 50

Parameter: Fish

Value from 0.16 to 1.56 mg / l

For. test: 96 h

Specification: EC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Algae

Myriophyllum spicatum

Values of 0.1: - 0.4 mg / l

For. test: 96 h

Specification: EC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Microorganisms water

Value> 3 mg / l

For. test: 3 h

Specification: LC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Fish

Bluegill

Value of 0.39 - 0.45 mg / l

For. test: 96 h

Specification: LC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Daphnia

Value = 11.2 kg / l

For. of the test: 24 h

bacterial toxicity

Specification: EC 50

Value ca. 0.03 mg / l

For. Test: 7 Days

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:


Aquatic toxicity:

Fish, LC50: 2.67 mg / l

daphnia, EC50: 3.1 mg / l

seaweed, IC50: 0.143 mg / l



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seaweed, NOEC: 0.067 mg / l

Sodium hydroxide:

Specification: EC 50

Parameter: Daphnia magna

Value ca. 0.04 mg / l

For. test: 48 h

Specification: LC 50

Parameter: Fish

Value from 0.16 to 1.56 mg / l

For. test: 96 h

Specification: EC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Algae

Myriophyllum spicatum

Values of 0.1: - 0.4 mg / l

For. test: 96 h

Specification: EC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Microorganisms water

Value > 3 mg / l

For. test: 3 h

Specification: LC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Fish

Bluegill

Value of 0.39 - 0.45 mg / l

For. test: 96 h

Specification: LC50 (SODIUM HYPOCHLORITE SOLUTION CL ACTIVE; Nr. CAS: 7681-52-9)

Parameter: Daphnia

Value = 11.2 kg / l

For. of the test: 24 h

bacterial toxicity

Specification: EC 50

Value ca. 0.03 mg / l

For. Test: 7 Days

Myristamine Oxide:

CL50-96 Hour - fish [mg / l]: 2.67

IC50-48 Hours - Daphnia magna [mg / l]: 3.1

EC50-72 Hours - Algae [mg / l]: 12:19

EC10-24 Hours - Bacteria [mg / l]: 80

Use according to good working practices to avoid pollution into the environment.

## 12.2 Persistence and degradability:

Related to contained substances:

Potassium oleate:

No data available.

Potassium Cocoate:

Surfactant complies with the biodegradability criteria established by EC Reg. 648/2004 on detergents

Sodium hypochlorite, solution 18%:

No data available

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:

The product is easily biodegradable.

Sodium hydroxide:

Not applicable.

Myristamine Oxide:

> 80% (OECD 310)

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 and 907/2006 on detergents.


## 12.3 Bioaccumulative potential:

Related to contained substances:

Potassium oleate:

No data available.

Potassium Cocoate:

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No data available.

Sodium hypochlorite, solution ...% Cl active:  
No data available

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:  
No data available.

Sodium hydroxide:  
No data available.

Myristamine Oxide:  
There are no trends to bioaccumulate.

#### 12.4 Mobility in soil:

Related to contained substances:

Potassium oleate:  
No data available.

Potassium Cocoate:  
No data available.

Sodium hypochlorite, solution 18%:  
No data available

Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides:  
No data available.

Sodium hydroxide:  
No data available.

Myristamine Oxide:  
Not applicable.

#### 12.5 Results of PBT e vPvB assessment:

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### 12.6 Other adverse effects:

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

The surfactant (s) contain (s) in this formulation comply (ies) with the criteria set out in Regulation (EC) biodegradability/648/2004 on detergents. All supporting data shall be kept at the disposal of the competent authorities of the Member States and will be provided, at their explicit request or at the request of a manufacturer of the formulation, the above authority.

#### 13. Disposal consideration

##### 13.1 Waste treatment methods:

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.  
Recover if possible. Operate according to local and National rules in force.

#### 14. Transport information




##### 14.1 UN number:

ADR/RID/IMDG/ICAO-IATA: 1791

If subject to the following characteristics is ADR exempt:  
Combination packagings: per inner packaging 5 L per package 30 Kg  
Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

##### 14.2 UN proper shipping name:



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ADR/RID/IMDG: HYPOCHLORITE SOLUTION  
ICAO-IATA: HYPOCHLORITE SOLUTION

#### 14.3 Transport hazard class(es):

ADR/RID/IMDG/ICAO-IATA: Class : 8  
ADR/RID/IMDG/ICAO-IATA: Label : 8  
ADR: Tunnel restriction code : E  
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L  
IMDG - EmS : F-A, S-B



#### 14.4 Packing group:

ADR/RID/IMDG/ICAO-IATA: III

#### 14.5 Environmental hazards:

ADR/RID/ICAO-IATA: Product is not environmentally hazardous  
IMDG: Marine polluting agent : Not

#### 14.6 Special precautions for user:

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of A.D.R Agreement. and the national provisions applicable.

The transport must be carried out in the original packaging and in packages that are made from materials resistant from the content and not likely to generate with this dangerous reactions. Attendants to the loading and unloading of dangerous goods must have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

It is not intended to carry bulk.

### 15. Regulatory information

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

Reg. 648/2004/EC (detergents), Decree 2/2/2002 n. 25 (risks related to chemical agents at work). D.m. 2/26/2004 Work (occupational exposure limits); D.m. 4/3/2007 (implementation of Directive 2006/8/EC). Regulation (EC) No 1907/2006 (REACH) Regulation (EC) no 1272/2008 (CLP), Regulation (EC) no 790/2009, 2012/18/EU Directive (cd. Seveso III).

#### 15.2 Chemical safety assessment:

No chemical safety assessment was carried out by the supplier.

### 16. Other information


Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 10.1. Reactivity, 10.2. Chemical stability, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.  
H319 = Causes serious eye irritation.  
H314 = Causes severe skin burns and eye damage.  
H400 = Very toxic to aquatic life.  
H302 = Harmful if swallowed.  
H318 = Causes serious eye damage  
H411 = Toxic to aquatic life with long lasting effects.  
H290 = May be corrosive to metals.

Classification based on data of all mixture components

Main normative references:  
Regulation 2008/1272/EC  
Regulation 2015/830/EC

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Link ECHA (source of information on chemical substances produced or imported in Europe)  
<https://echa.europa.eu/information-on-chemicals>  
 MSDS provided by the customer and on the same raw material

If necessary, there are the telephone numbers are active 24 hours 24 some poison control centers:

Responsabile	Ospedale	Città	Indirizzo	CAP	Telefono
Marco Marano	CAV "Osp. Pediatrico Bambino Gesù"	Roma	Piazza Sant'Onofrio, 4	00165	06 68593726
Anna Lepore	Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122	0881-732326
Gennaro Savoia	Az. Osp. "A. Cardarelli"	Napoli	Via A. Cardarelli, 9	80131	081-7472870
M. Caterina Grassi	CAV Policlinico "Umberto I"	Roma	V.le del Policlinico, 155	00161	06-49978000
Alessandro Barelli	CAV Policlinico "A. Gemelli"	Roma	Largo Agostino Gemelli, 8	00168	06-3054343
Primo Botti	Az. Osp. "Careggi" U.O. Tossicologia Medica	Firenze	Largo Brambilla, 3	50134	055-7947819
Carlo Locatelli	CAV Centro Nazionale di Informazione Tossicologica	Pavia	Via Salvatore Maugeri, 10	27100	0382-24444
Franca Davanzo	Osp. Niguarda Ca' Granda	Milano	Piazza Ospedale Maggiore, 3	20162	02-66101029
M. Luisa Farina	Azienda Ospedaliera Papa Giovanni XXII	Bergamo	Piazza OMS, 1	24127	800883300

This MSDS cancels and replaces any preceding release.