

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : Hygienfresh Certisan A - Detergente Igienizzante

Trades code : A39-205

Product line: Hygienfresh

UFI: 7V61-508P-T00U-DYKC

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

Concentrated detergent with cleaning effect and deep hygiene.

Sectors of use:

Industrial Manufacturing[SU3], 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**

Tintolav s.r.l. - Via M. D' Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: info@tintolav.com - Sito internet: www.tintolav.com

Email tecnico competente: a.conedera@tintolav.com

National contact: Malta: Emergency Ambulance 112

Accident &amp; Emergency Department 2545 4030

**1.4. Emergency telephone number**

The UK National Poisons Emergency number +44 (0)870 600 6266

London: Emergency 24 hour telephone +44 (0) 207188 0100

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07

Hazard Class and Category Code(s):

Eye Irrit. 2

Hazard statement Code(s):

H319 - Causes serious eye irritation.

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

**2.2. Label elements**

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

Pictogram, Signal Word Code(s):

GHS07 - Warning



**Hazard statement Code(s):**

H319 - Causes serious eye irritation.

**Supplemental Hazard statement Code(s):**

EUH208 - Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

**Precautionary statements:****General**

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

**Prevention**

P264 - Wash your hand thoroughly after handling.

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

**Response**

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

**Contains:**aqua, sodium laureth sulfate, c13-15 pareth-7, sodium dodecylbenzenesulfonate, l-glutamic acid, n-(oxooctyl)-, sodium salt (1:2), cocamidopropyl betaine, sodium chloride, cocamide dea, heptasodium trihydrogen [[bis[2-[bis(phosphonomethyl)amino]ethyl]amino]methyl]phosphonate, PVP, dimethicone, diethanolamine, steareth-21, subtilisin,  $\alpha$ -amylase, mea-borate, lipase, cellulase, [methylchloroisothiazolinone, methylisothiazolinone (3:1) = 0,0006%]**Contains (Reg.EC 648/2004):**

5% &lt; 15% anionic surfactants, &lt; 5% Miscela di: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1), enzymes, perfumes, Dye, non-ionic surfactants, amphoteric surfactants, D-Limonene ((S)-p-menta-1,8-diene)

Content of VOC ready to use condition: 0,18 %

UFI: 7V61-508P-T00U-DYKC

**2.3. Other hazards**

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

No information on other hazards

**SECTION 3. Composition/information on ingredients****3.1 Substances**

Irrelevant

**3.2 Mixtures**

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Sodium Lauryl Ether sulfate	>= 5 < 10%	Skin Irrit. 2, H315; Eye Dam. 1, H318;	ND	68891-38-3	500-234-8	01-2119488 639-16

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
		Aquatic Chronic 3, H412 Limits: Eye Dam. 1, H318 %C >=10; Eye Irrit. 2, H319 5<= %C <10; 1 1 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg ATE inhal = 4.100,0mg/l/4 h				
Alcohols, C13-15, branched and linear, ethoxylated	>= 1 < 5%	Acute Tox. 4, H302; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Limits: Eye Irrit. 2, H319 %C <=10; Eye Dam. 1, H318 %C >10; 1 1 ATE oral = 300,0 mg/kg	ND	157627-86-6	ND	NR
Sodium dodecylbenzenesulfonate	>= 1 < 5%	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE oral = 438,0 mg/kg ATE dermal = 2.000,0 mg/kg	ND	25155-30-0	246-680-4	NR
L-Glutamic acid, N-(oxooctyl)-, sodium salt (1:2)	>= 1 < 5%	Eye Irrit. 2, H319 ATE oral = 2.000,0 mg/kg	ND	167888-81-5	605-493-1	NR
Cocamidopropyl betaine	>= 1 < 5%	Eye Dam. 1, H318; Aquatic Chronic 3, H412 Limits: Eye Dam. 1, H318 %C >10; Eye Irrit. 2, H319 4<= %C <10; ATE oral = 5.000,0 mg/kg ATE dermal = 2.000,0 mg/kg	ND	147170-44-3	931-333-8	01-2119489 410-39
2-aminoethanol, monoester with boric acid	< 0,1%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg	ND	10377-81-8	233-829-3	NR

### SECTION 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.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

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

**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:**

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

### **SECTION 5. Firefighting measures**

#### **5.1. Extinguishing media**

**Advised extinguishing agents:**

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 the 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

### **SECTION 6. Accidental release measures**

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

**6.1.1 For non-emergency personnel:**

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

Wear mask, gloves and protective clothing.

**6.1.2 For emergency responders:**

Wear a mask, gloves and protective clothing. Suitable: LaTeX, nitrile, PVC

Delete all naked flames and potential sources of ignition. Do not smoke.

Provide adequate ventilation.

Evacuate danger area and, where appropriate, 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 material for containment and cleaning up**

**6.3.1 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.

**6.3.2 For cleaning up:**

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

**6.3.3 Other information:**

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

## **SECTION 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.

See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled 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 use(s)**

Industrial Manufacturing:

Handle with extreme caution.

Store in a well ventilated place away from heat sources.

Private households (= general public = consumers):

Handle with care.

Store in ventilated place away from heat sources,

Keep the container tightly closed.

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

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

**SECTION 8. Exposure controls/personal protection****8.1. Control parameters**

Related to contained substances:

Cocamidopropyl betaine:

DNEL

operator: long term exposure-systemic effects, inhalation: 44 mg/m<sup>3</sup>

consumer: long term exposure-systemic effects, dermal: 7.5 mg/kg

consumer: long term exposure-systemic effects, oral: 7.5 mg/kg

- Substance: Sodium Lauryl Ether sulfate

DNEL

Systemic effects Long term Workers inhalation = 175 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 2750 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 52 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 1650 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 15 (mg/kg bw/day)

PNEC

Sweet water = 0,24 (mg/l)

sediment Sweet water = 5,45 (mg/kg/sediment)

Sea water = 0,02 (mg/l)

sediment Sea water = 0,54 (mg/kg/sediment)

intermittent emissions = 0,07 (mg/l)

STP = 10000 (mg/l)

ground = 0,946 (mg/kg ground)

- Substance: Cocamidopropyl betaine

DNEL

Systemic effects Long term Workers inhalation = 44 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 12,5 (mg/kg bw/day)

Systemic effects Long term Consumers dermal = 7,5 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 7,5 (mg/kg bw/day)

PNEC

Sweet water = 0,013 (mg/l)

sediment Sweet water = 1 (mg/kg/sediment)

Sea water = 0,001 (mg/l)

sediment Sea water = 0,1 (mg/kg/sediment)

STP = 3000 (mg/l)

ground = 0,8 (mg/kg ground)

- Substance: 2-aminoethanol, monoester with boric acid

DNEL

Systemic effects Long term Workers inhalation = 5,9 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 3,3 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,4 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 1,7 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 1,7 (mg/kg bw/day)

PNEC

Sweet water = 0,026 (mg/l)

sediment Sweet water = 0,054 (mg/kg/sediment)

Sea water = 0,003 (mg/l)

sediment Sea water = 0,005 (mg/kg/sediment)

intermittent emissions = 0,26 (mg/l)

STP = 10 (mg/l)

ground = 0,014 (mg/kg ground)

**8.2. Exposure controls**

Appropriate engineering controls:  
Industrial Manufacturing:  
No specific monitoring foreseen

Private households (= general public = consumers):  
No specific checks planned

Public domain (administration, education, entertainment, services, craftsmen):  
No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

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

(b) Skin protection

(i) Hand protection

Manipulate with gloves. The gloves should be checked before being used. Use a technique suitable for the removal of gloves (without touching the outside of the glove) to avoid skin contact with this product dispose of contaminated gloves after use in accordance with the legislation and good laboratory practices. Wash and dry your hands.  
Selected protective gloves shall comply with the requirements of EU Directive 89/686/EEC and EN 374 standards arising therefrom.

Full contact

Material: nitrile rubber

minimum thickness: 0.11 mm

permeation time: 480 min

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

Cocamidopropyl betaine:

PNEC

sea water: 0.00135 mg/l

Sediment (sweet water): 1 mg/kg

Sediment (seawater): 0.1 mg/kg

soil: 0.8 mg/kg

purification: 3000 mg/l

**SECTION 9. Physical and chemical properties**

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

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Colour	Blue	
Odour	characteristic	
Odour threshold	not determined	
pH	9-10	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	> 65 °C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	nonflammable	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	1.01 - 1.08 gr/cm3	
Solubility	completamente solubile in acqua	
Water solubility	completamente solubile in acqua	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

**9.2. Other information**

Content of VOC ready to use condition: 0,18 %

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

No reactivity hazards

**10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

There are no hazardous reactions

**10.4. Conditions to avoid**

Nothing to report

**10.5. Incompatible materials**

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

**10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

**SECTION 11. Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

ATE(mix) oral = 4.842,8 mg/kg

ATE(mix) dermal = 66.666,7 mg/kg

ATE(mix) inhal = ∞

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

(b) skin corrosion/irritation: Sodium Lauryl Ether sulfate: Acute effects: contact with eyes will cause irritation; symptoms may include: redness, edema, pain and tears.

Through contact with the skin has irritation with erythema, edema, dryness and cracking.

Sodium dodecylbenzenesulfonate: Skin irritation-not irritating (2.5%), moderate irritation (5%), moderate-severe irritation (47-50%).

Cocamidopropyl betaine: Skin corrosion/irritation rabbit: slightly irritating. (OECD guideline 404)

2-aminoethanol, monoester with boric acid: Irritation of the skin:

Rabbit (New Zealand White): non-irritant, (1993). Eye irritation:

Rabbit (New Zealand White): moderately irritating, 1998

Bovine (in vitro study): not severely irritating or corrosive, 2010

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

Sodium dodecylbenzenesulfonate: Eye irritation-mild irritation (1%); moderate irritation (5%), and severe irritation (47-50%)

Cocamidopropyl betaine: Serious eye damage/eye irritation, rabbit: highly irritating. (OECD guideline 405)

(d) respiratory or skin sensitisation: Cocamidopropyl betaine: Assessment of sensitizing:

Tests on animals showed no sensitizing action.

Experimental/calculated data:

Guinea Pig: non-sensitizing (OECD-guideline 406)

(e) germ cell mutagenicity: Cocamidopropyl betaine: Bacteria: negative (OECD guideline 471)  
micronucleus analysis

rat: negative (OECD-guideline 474)

(f) carcinogenicity: Sodium dodecylbenzenesulfonate: IARC: no component of this product present at levels greater than or equal to 0.1% identified as known or anticipated carcinogen by IARC.

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

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

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Sodium Lauryl Ether sulfate:

LD50 (alcohols, C12-14, ethoxylated, sulfated, sodium salts; CAS No.: 68891-38-3)

Via Inhalation Administration:

Issued on 04/21/2020 - Rel. # 2 on 02/28/2022

# 10 / 14

In conformity to Regulation (EU) 2020/878

Test species: rat  
Value: 4100 mg/kg

Specification: LD50 (alcohols, C12-14, ethoxylated, sulfated, sodium salts; CAS No.: 68891-38-3)  
Via Dermal intake:  
Test species: rat  
Value: > 2000 mg/kg  
LD50 (rat) Oral (mg/kg body weight) = 2000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000  
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 4100

Alcohols, C13-15, branched and linear, ethoxylated:  
LD50 (rat) Oral (mg/kg body weight) > 300

Sodium dodecylbenzenesulfonate:  
LD50 (rat) Oral (mg/kg body weight) = 438  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

L-Glutamic acid, N-(oxooctyl)-, sodium salt (1:2):  
LD50 (rat) Oral (mg/kg body weight) = 2000

Cocamidopropyl betaine:  
LD50 rat (oral): > 5000 mg/kg (OECD-guideline 401)  
Rat LD50 (dermal): > 2,000 mg/kg (OECD-guideline 402)  
LD50 (rat) Oral (mg/kg body weight) = 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

2-aminoethanol, monoester with boric acid:  
Acute oral toxicity  
Parameter: LD50 (2-aminoethanol, monoester with boric acid; CAS No.: 10377-81-8)  
Exposure route: Orally  
Species: Rat  
Effective dose: > 2000 mg / kg  
Acute dermal toxicity  
Parameter: discriminating dose. (2-aminoethanol, monoester with boric acid; CAS No.: 10377-81-8)  
Exposure route: Dermal  
Species: Rat  
Effective dose: > 2000 mg / kg  
LD50 (rat) Oral (mg/kg body weight) = 2000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

## 11.2. Information on other hazards

No data available.

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:  
Sodium Lauryl Ether sulfate:  
LC50 (alcohols, C12-14, ethoxylated, sulfated, sodium salts; CAS No.: 68891-38-3)  
Parametro: Fish  
Danio Rerio  
Value = 7.1 mg/l  
For. test: 96 h  
Specification: EC50 (alcohols, C12-14, ethoxylated, sulfated, sodium salts; CAS No.: 68891-38-3)  
Parametro: Daphnia

Issued on 04/21/2020 - Rel. # 2 on 02/28/2022

# 11 / 14

In conformity to Regulation (EU) 2020/878

Daphnia magna

Value = 7.2 mg/l

For. test: 48 h

Specification: EC50 (alcohols, C12-14, ethoxylated, sulfated, sodium salts; CAS No.: 68891-38-3)

Parametro: Algae

Scenedesmus subspicatus

Value = 27 mg/l

C(E)L50 (mg/l) = 7,1

Alcohols, C13-15, branched and linear, ethoxylated:

C(E)L50 (mg/l) = 1

Sodium dodecylbenzenesulfonate:

C(E)L50 (mg/l) = 1,67

L-Glutamic acid, N-(oxooctyl)-, sodium salt (1:2):

LC50 - Fish &gt; 100 mg / l / 96h

C(E)L50 (mg/l) = 100

Cocamidopropyl betaine:

LC50 &gt; 1-10 mg/l, Pimephales promelas (Screening (type OECD 203))

Aquatic invertebrates:

EC50 &gt; 1-10 mg/l Daphnia magna (OECD-guideline 202, part 1)

Aquatic plants:

EC50 &gt; 1-10 mg/l, Desmodemus subspicatus (OECD-guideline 201)

Microorganisms/effects on activated sludge:

Ce0 &gt; 100 mg/l, Pseudomonas putida (OECD-guideline 209)

Chronic toxicity on fish:

NOEC &gt;= 1 mg/l, Oncorhynchus mykiss (guideline OECD 210)

Chronic toxicity to aquatic invertebrates:

NOEC &gt;= 1 mg/l Daphnia magna (OECD-guideline 211)

C(E)L50 (mg/l) = 1

NOEC (mg/l) = 1

2-aminoethanol, monoester with boric acid:

Acute (short-term) toxicity on fish

Parameter: LC50 (2-aminoethanol, monoester with boric acid; CAS No.: 10377-81-8)

Species: Cyprinus carpio

Effective dose: = 617 mg / l

Exposure time: 96 h

Acute (short-term) toxicity to Daphnia

Parameter: EC50 (2-aminoethanol, monoester with boric acid; CAS No.: 10377-81-8)

Species: Daphnia magna

Effective dose: = 423 mg / l

Exposure time: 48 h

Acute (short-term) toxicity to algae

Parameter: EC50 (2-aminoethanol, monoester with boric acid; CAS No.: 10377-81-8)

Species: Pseudokirchneriella subcapitata

Effective dose: = 26 mg / l

Exposure time: 72 h

C(E)L50 (mg/l) = 26

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

**12.2. Persistence and degradability**

Related to contained substances:

Sodium Lauryl Ether sulfate:

Easily biodegradable

Cocamidopropyl betaine:

Evaluation of biodegradability and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria).

Good eliminability from the water.

2-aminoethanol, monoester with boric acid:

Parameter: Biodegradation

Effective dose: approx. 73%

Exposure time: 28 days

Parameter: Biodegradation

Effective dose: > 60%

Exposure time: 10 days

Easily biodegradable.

**12.3. Bioaccumulative potential**

Related to contained substances:

Sodium dodecylbenzenesulfonate:

Bioaccumulation-28 leptomismacrochirus d -64 g/l

Bioconcentration factor (BCF): 220

**12.4. Mobility in soil**

No data available.

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

No PBT/vPvB ingredient is present

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No adverse effects

**SECTION 13. Disposal considerations****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 or national regulations

**SECTION 14. Transport information**

**14.1. UN number or ID number**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

**14.2. UN proper shipping name**

None

**14.3. Transport hazard class(es)**

None

**14.4. Packing group**

None

**14.5. Environmental hazards**

None

**14.6. Special precautions for user**

No data available.

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

It is not intended to carry bulk

## SECTION 15. Regulatory information

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

No data available.

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

## SECTION 16. Other information

**16.1. Other information**

Points modified compared to previous release: 1.1. Product identifier, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 8.1. Control parameters, 8.2. Exposure controls, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.6. Endocrine disrupting properties

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

---

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

\*\* The information contained herein is based on our knowledge at the date above.

Related solely to the product and do not constitute a guarantee of a particular quality.

It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.

This data sheet cancels and replaces any previous edition.