## **DENTO VIRACTIS ASPIGERM 95 - FS CLP2437**

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## **SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name: DENTO VIRACTIS ASPIGERM 95

Product code: FS CLP2437.

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

The product is classified as a medical device

Concentrated disinfectant cleaner for suction systems.

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

Registered company name: HYGITECH.

Address: 109 bis Avenue Charles de Gaulle.92200. Neuilly sur Seine. FRANCE.

Telephone: +33 (0)1 48 01 32 89. Fax: +33 (0)1 48 01 32 80.

export@hygitech.fr

## 1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA http://www.centres-antipoison.net.

## **SECTION 2 : HAZARDS IDENTIFICATION**

## 2.1. Classification of the substance or mixture

### In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

May produce an allergic reaction (EUH208).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

### 2.2. Label elements

Detergent mixture (see section 15).

The mixture is a detergent product for medical device use.

#### In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:





GHS05

GHS09

Signal Word:

DANGER

Product identifiers:

EC 270-325-2 ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE

EC 230-525-2 DIDECYLDIMETHYLAMMONIUM CHLORIDE

 $Additional\ labeling:$ 

EUH208 Contains D-LIMONENE. May produce an allergic reaction.

Hazard statements:

H315 Causes skin irritation.
H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements - General:

P102 Keep out of reach of children.

Precautionary statements - Prevention:

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

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Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...
P332 + P313 If skin irritation occurs: Get medical advice/attention.

P391 Collect spillage.

Precautionary statements - Disposal:

P501 Dispose of contents/container as hazardous waste.

#### 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

**Composition:** 

Identification	(EC) 1272/2008	Note	%
CAS: 77-92-9	GHS07	11000	10 <= x % < 25
EC: 201-069-1	Wng		10 < 10 < 23
REACH: 01-2119457026-42	Eye Irrit. 2, H319		
112.10111 01 2119 107020 12	2, 11015		
CITRIC ACID			
CAS: 64-17-5	GHS07, GHS02	[1]	2.5 <= x % < 10
EC: 200-578-6	Dgr		
	Flam. Liq. 2, H225		
ETHYL ALCOHOL	Eye Irrit. 2, H319		
CAS: 68439-51-0			0 <= x % < 2.5
	Aquatic Chronic 3, H412		
ALCOOLS EN C12-14 ETHOXYLES			
PROPOXYLES			
CAS: 68424-85-1	GHS07, GHS05, GHS09		0 <= x % < 2.5
EC: 270-325-2	Dgr		
	Acute Tox. 4, H302		
ALKYL (C12-16) DIMETHYLBENZYL	Skin Corr. 1B, H314		
AMMONIUM CHLORIDE	Eye Dam. 1, H318		
	Aquatic Acute 1, H400		
	M Acute = 10		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
CAS: 7173-51-5	GHS07, GHS05, GHS09		0 <= x % < 2.5
EC: 230-525-2	Dgr		
	Acute Tox. 4, H302		
DIDECYLDIMETHYLAMMONIUM	Skin Corr. 1B, H314		
CHLORIDE	Eye Dam. 1, H318		
	Aquatic Chronic 2, H411		
	Aquatic Acute 1, H400		
	M Acute = 10		
INDEX: 603-117-00-0	GHS02, GHS07	[1]	0 <= x % < 2.5
CAS: 67-63-0	Dgr		
EC: 200-661-7	Flam. Liq. 2, H225		
REACH: 01-2119457558-25	Eye Irrit. 2, H319		
	STOT SE 3, H336		
PROPAN-2-OL	, ,		
CAS: 1310-73-2	GHS05	[1]	0 <= x % < 2.5
EC: 215-185-5	Dgr		
REACH: 01-2119457892-27	Met. Corr. 1, H290		
	Skin Corr. 1A, H314		
SODIUM HYDROXIDE			

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CAS: 5989-27-5	GHS08, GHS02, GHS07, GHS09	0 <= x % < 2.5
EC: 227-813-5	Dgr	
REACH: 01-2119529223-47	Asp. Tox. 1, H304	
	Flam. Liq. 3, H226	
D-LIMONENE	Skin Irrit. 2, H315	
	Skin Sens. 1B, H317	
	Aquatic Acute 1, H400	
	M Acute = 1	
	Aquatic Chronic 1, H410	
	M Chronic = 1	

#### Information on ingredients:

[1] Substance for which maximum workplace exposure limits are available.

### **SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

## 4.1. Description of first aid measures

### In the event of exposure by inhalation:

In the event of an allergic reaction, seek medical attention.

### In the event of splashes or contact with eyes:

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

## In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

### In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

## 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

No data available.

## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

# 5.1. Extinguishing media

## Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

### Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

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In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

#### 5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

Avoid any contact with the skin and eyes.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

#### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar.

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

#### 6.4. Reference to other sections

No data available.

#### SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

## 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

#### Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

## Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

## Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

### Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area

Store away from frost.

## **Packaging**

Always keep in packaging made of an identical material to the original.

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### 7.3. Specific end use(s)

No data available.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

#### Occupational exposure limits:

- France (INRS - ED984:2012):

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP No:
64-17-5	1000	1900	5000	9500	-	84
67-63-0	-	-	400	980	-	84
1310-73-2	-	2	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm				
	1920 mg/m3				
67-63-0	400 ppm	500 ppm			
	999 mg/m3	1250 mg/m3			
1310-73-2		2 mg/m3			

## 8.2. Exposure controls

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

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties:

- Impervious gloves in accordance with standard EN374

## - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Suitable type of protective boots:

In the event of minor spatter, wear protective boots or half-boots against chemical risks in accordance with standard EN13832-2.

In the event of prolonged contact, wear boots or half-boots with liquid-chemical-resistant and waterproof soles and uppers in accordance with standard EN13832-3.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1. Information on basic physical and chemical properties

**General information:** 

Physical state: Fluid liquid.

Color: Colorless to light yellow

Odor: citrus fruits

Important health, safety and environmental information

pH (aqueous solution): 3.10 (sol. 0.5%)

pH: 2.25 .

Slightly acidic.

Boiling point/boiling range:

Flash point interval:

Vapour pressure (50°C):

Not relevant.

Not relevant.

Density: > 1
Water solubility: Dilutable.
Melting point/melting range: Not relevant.
Self-ignition temperature: Not relevant.
Decomposition point/decomposition range: Not relevant.

9.2. Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

## 10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

## 10.4. Conditions to avoid

Avoid:

- frost

## 10.5. Incompatible materials

## 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

## SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

## 11.1.1. Substances

## Acute toxicity:

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Oral route : LD50 = 329 mg/kg

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 1000 mg/kg

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Species: Rabbit

Skin corrosion/skin irritation:

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)
Corrosivity:
Causes severe skin burns.

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Effect observed: Overall irritation score

Species: Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

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Respiratory or skin sensitisation:

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Buehler Test: Non-sensitiser.

Species : Guinea pig Other guideline

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (CAS: 68424-85-1)

Guinea Pig Maximisation Test (GMPT): Non-sensitiser.

Species: Guinea pig

OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Mutagenesis (in vivo): Negative.

Species: Rat

OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Mutagenesis (in vitro): Negative.

Species: Bacteria

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro): Negative.

11.1.2. Mixture

Respiratory or skin sensitisation:

Contains at least one sensitising substance. May cause an allergic reaction.

 $Monograph(s)\ from\ the\ IARC\ (International\ Agency\ for\ Research\ on\ Cancer):$ 

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

 $CAS\ 5989\text{-}27\text{-}5: IARC\ Group\ 3: The\ agent\ is\ not\ classifiable\ as\ to\ its\ carcinogenicity\ to\ humans.$ 

CAS 5989-27-5: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (CAS: 68424-85-1)

Fish toxicity :  $LC50 = 0.85 \ mg/l$ 

Factor M = 1

Species : Oncorhynchus mykiss Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity: EC50 = 0.016 mg/l

Factor M = 10

Species: Daphnia magna

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Duration of exposure: 48 h

OECD Guideline 211 (Daphnia magna Reproduction Test)

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NOEC = 0.025 mg/l Species : Daphnia magna Duration of exposure : 21 days

OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity: ECr50 = 0.02 mg/l

Factor M = 10

Species: Scenedesmus capricornutum

Duration of exposure: 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

 $EC10 \quad mg/l \\ Factor \ M=1$ 

Species: Selenastrum capricornutum

Duration of exposure: 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Fish toxicity: LC50 = 0.5 mg/l

Factor M = 1

Species : Brachydanio rerio Duration of exposure : 96 h

Crustacean toxicity: EC50 = 0.03 mg/l

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 0.021 mg/l Species : Daphnia magna Duration of exposure : 21 days

OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity: ECr50 = 0.06 mg/l

 $Species: Selenastrum\ capricornutum$ 

Duration of exposure : 96 h

## **12.1.2.** Mixtures

No aquatic toxicity data available for the mixture.

## 12.2. Persistence and degradability

 $Surfactants\ in\ this\ preparation\ comply\ with\ the\ standards\ of\ biodegradability\ as\ defined\ in\ Regulation\ (EC)\ No\ 648/2004\ on\ detergents.$ 

The data proving this statement shall be made available to the competent authorities of the Member States and shall be supplied to them at their express request or at the request of the detergent manufacturer.

## 12.2.1. Substances

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Biodegradability: Rapidly degradable.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (CAS: 68424-85-1)

Biodegradability: Rapidly degradable.

### 12.3. Bioaccumulative potential

## 12.3.1. Substances

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (CAS: 68424-85-1)

Octanol/water partition coefficient : log Koe = 2.88

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OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

### 12.4. Mobility in soil

No data available.

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

No data available.

#### 12.6. Other adverse effects

No data available.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

#### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

#### SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

#### 14.1. UN number

3082

## 14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(didecyldimethylammonium chloride, alkyl (c12-16) dimethylbenzyl ammonium chloride)

### 14.3. Transport hazard class(es)

- Classification :



9

### 14.4. Packing group

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## 14.5. Environmental hazards

- Environmentally hazardous material :



#### 14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-

Not subject to this regulation if  $Q \le 51/5 \text{ kg}$  (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	9	-	III	5 L	F-A,S-F	274 335 969	E1

Not subject to this regulation if  $Q \le 51/5$  kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EO

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9	-	III	964	450 L	964	450 L	A97	E1
							A158	
							A197	
9	-	III	Y964	30 kg G	-	-	A97	E1
							A158	
							A197	

Not subject to this regulation if  $Q \le 51/5 \text{ kg}$  (IATA 4.4.4 - DS A197)

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

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

No data available.

### SECTION 15: REGULATORY INFORMATION

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

### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

#### - Container information:

No data available.

## - Particular provisions :

No data available.

### - Labelling for detergents (EC Regulation No. 648/2004,907/2006):

- less than 5 % : cationic surfactants

- less than 5 %: nonionic surfactants

- disinfectants

- perfumes

- allergenic fragrances:

d-limonene

# $- Standardised\ American\ system\ for\ the\ identification\ of\ hazards\ presented\ by\ the\ product\ in\ view\ of\ emergency\ procedures\ (NFPA\ 704)$

NFPA 704, Labelling: Health=3 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



### 15.2. Chemical safety assessment

No data available.

### **SECTION 16: OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

## Wording of the phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

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H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

### **Abbreviations:**

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods. IATA : International Air Transport Association. ICAO : International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

 $WGK: Wasserge fahrdungsklasse \ (Water\ Hazard\ Class).$ 

GHS05 : Corrosion GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.