

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

### **1.1. Product identifier**

Product code : Hygienfresh Prezym  
Trades code : A31-000  
Product line: Hyginfresh

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

Pretrattante super concentrated enzyme

Sectors of use:

Industrial Manufacturing[SU3], Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Washing and Cleaning Products (including solvent based products)

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](mailto:info@tintolav.com) - Sito internet: [www.tintolav.com](http://www.tintolav.com)

Email tecnico competente: [a.conedera@tintolav.com](mailto:a.conedera@tintolav.com)

National contact: Malta: Emergency Ambulance 112  
Accident & 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):  
Skin Irrit. 2, Eye Irrit. 2

Hazard statement Code(s):  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

### **2.2. Label elements**

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

Pictogram, Signal Word Code(s):  
GHS07 - Warning



Hazard statement Code(s):  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:

General

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

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.

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

Contains:

Dodecylbenzenesulphonic acid, compound with 2,2',2''nitrilotriethanol (1:1). , Fatty alcohol ethoxylate, Steareth-21, Subtilisin, 4-formylphenylboronic acid, Sodium Lauryl Ether sulfate, 2,2',2''-nitrilotriethanol, diethanolamine

Contains (Reg.EC 648/2004):

5% < 15% non-ionic surfactants, anionic surfactants, < 5% enzymes, 5% < 15% anionic surfactants, non-ionic surfactants, < 5% enzymes

Content of VOC ready to use condition: 0,00 %

### 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

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance  | Concentration | Classification                             | Index        | CAS        | EINECS    | REACH                         |
|--|---------------|--|--------------|------------|-----------|-------------------------------|
| Dodecylbenzenesulphonic acid, compound with 2,2',2''nitrilotriethanol (1:1). | > 10 <= 20%   | Skin Irrit. 2, H315;<br>Eye Irrit. 2, H319 |              | 27323-41-7 | 248-406-9 |                               |
| Fatty alcohol ethoxylate   | > 5 <= 10%    | Acute Tox. 4, H302;<br>Eye Dam. 1, H318    |              | 64425-86-1 |           | 02-2119548<br>515-35-000<br>0 |
| 2-(2-butoxyethoxy)ethanol  | > 1 <= 5%     | Eye Irrit. 2, H319                         | 603-096-00-8 | 112-34-5   | 203-961-6 |                               |

| Substance                   | Concentration | Classification   | Index        | CAS        | EINECS    | REACH                     |
|-----------------------------|---------------|--|--------------|------------|-----------|---------------------------|
| Sodium Lauryl Ether sulfate | > 1 <= 5%     | Skin Irrit. 2, H315;<br>Eye Dam. 1, H318;<br>Aquatic Chronic 3,<br>H412              |              | 68891-38-3 | 500-234-8 | 01-2119488<br>639-16      |
| 2,2',2"-nitrilotriethanol   | > 0,1 <= 1%   | Eye Irrit. 2, H319   |              | 102-71-6   | 203-049-8 | 01-2119486<br>428-31-xxxx |
| Subtilisin                  | > 0,1 <= 1%   | Skin Irrit. 2, H315;<br>Eye Dam. 1, H318;<br>Resp. Sens. 1, H334;<br>STOT SE 3, H335 | 647-012-00-8 | 9014-01-1  | 232-752-2 | 01-2119480<br>434-38      |

## 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 skin irritation occurs: Get medical advice/attention.

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, CO2, 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 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 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:  
2-(2-butoxyethoxy)ethanol:  
CVE: TWA 10 ppm 67.5 mg/m<sup>3</sup> STEL 15 ppm 101.2 mg/m<sup>3</sup>  
MAK DFG 10 ppm 67 mg/m<sup>3</sup>

2,2',2''-nitrilotriethanol:  
TWA: 5 from ACGIH (TLV) [United States] [2001]

Subtilisin:  
ACGIH TLV: Ceiling: 0.00006 mg/m<sup>3</sup> Ceiling (as crystalline active enzyme, listed under Subtilisins)  
Belgium: 0.00006 mg/m<sup>3</sup> Maximum Limit Value (8 hours)  
Denmark: Ceiling: 0.00006 mg/m<sup>3</sup>  
Ireland: TWA: 0.00006 mg/m<sup>3</sup> STEL: 0.00006 mg/m<sup>3</sup>  
Netherlands: Ceiling: 0.00006 mg/m<sup>3</sup>  
Norway: 0.00006 mg/m<sup>3</sup> Ceiling  
Portugal: Ceiling: 0.00006 mg/m<sup>3</sup>  
Spain: VLA-EC: 0.00006 mg/m<sup>3</sup>  
Sweden: 1 glycineunit/m<sup>3</sup> LLV 3 glycineunit/m<sup>3</sup> LLV  
Switzerland: STEL: 0.00006 mg/m<sup>3</sup>  
Germany: = 1 glycineunit/m<sup>3</sup> LLV = 3 glycineunit/m<sup>3</sup> LLV  
United Kingdom: 0.00004 mg/m<sup>3</sup> TWA

### 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

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.

## (c) Respiratory protection

Not needed for normal use.

## (d) Thermal hazards

No hazard to report

**Environmental exposure controls:**

Related to contained substances:

**Subtilisin:**

The local authority must be informed if the losses cannot be limited

Waste water must be conveyed to the waste water treatment plant

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

| Physical and chemical properties             | Value                          | Determination method |
|--|--------------------------------|----------------------|
| Appearance                                   | pale yellow transparent liquid |                      |
| Odour  | characteristic                 |                      |
| Odour threshold                              | not determined                 |                      |
| pH   | 8-9                            |                      |
| Melting point/freezing point                 | not determined                 |                      |
| Initial boiling point and boiling range      | not determined                 |                      |
| Flash point                                  | > 100°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                             | 1,00                           |                      |
| Solubility                                   | soluble in water               |                      |
| Water solubility                             | completely soluble             |                      |
| Partition coefficient: n-octanol/water       | not determined                 |                      |
| Auto-ignition temperature                    | undefined                      |                      |
| Decomposition temperature                    | not determined                 |                      |

| Physical and chemical properties | Value          | Determination method |
|----------------------------------|----------------|----------------------|
| Viscosity                        | not determined |                      |
| Explosive properties             | not explosive  |                      |
| Oxidising properties             | non-oxidizing  |                      |

## 9.2. Other information

Content of VOC ready to use condition: 0,00 %

## 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 toxicological effects

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

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

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

Dodecylbenzenesulphonic acid, compound with 2,2',2''nitrilotriethanol (1:1): Irritating

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.

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

Dodecylbenzenesulphonic acid, compound with 2,2',2"-nitrilotriethanol (1:1): Irritating

2-(2-butoxyethoxy)ethanol: Eyes-rabbit Result: Mild eye irritation-24h

(d) respiratory or skin sensitization: Subtilisin: Respiratory system: substance-sensitizing (human experience)

(e) germ cell mutagenicity: 2-(2-butoxyethoxy)ethanol: Mutagenicity-Bacterial,: negative +/--activation

Chromosomal aberration,: negative +/--activation

Mutagenicity-Mammalian,: negative +/--activation

Subtilisin: No indication of mutagenic effects (OECD TG 471, 473, 476)

(f) carcinogenicity: based on 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: Subtilisin: Target organ-specific toxic (single exposure) Irritant, respiratory tract (ACGIH 2001)

(i) specific target organ toxicity (STOT) repeated exposure: Dodecylbenzenesulphonic acid, compound with 2,2',2"-nitrilotriethanol (1:1): Rabbit 90-day dermal NOAEL > 5 mg/kg bw (only dose tested)

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

Related to contained substances:

Dodecylbenzenesulphonic acid, compound with 2,2',2"-nitrilotriethanol (1:1):

LD50 (rat) Oral (mg/kg body weight) = 1653

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4199

Fatty alcohol ethoxylate:

LD50 (rat) Oral (mg/kg body weight) = 3100

2-(2-butoxyethoxy)ethanol:

INHALATION RISK: A harmful contamination of air sar reached slowly for evaporation of this substance at 20 C;

However, for spraying or scattering, much more quickly.

Effects of short-term exposure: the substance is irritating to eyes the effects of REPEATED EXPOSURE or long term: the liquid degreasing the skin features.

ACUTE HAZARDS/symptoms dry SKIN.

EYE Redness. Pain.

LD50 (rat) Oral (mg/kg body weight) = 1720

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2700

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 374

Sodium Lauryl Ether sulfate:

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

Via Inhalation Administration:

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

2,2',2"-nitrilotriethanol:

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact.

Toxicity to Animals: Acute oral toxicity (LD50): 2200 mg/kg [Rabbit].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells.

May cause damage to the following organs: kidneys, liver, skin.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals:

LD50 [Rat] - Route: Oral; Dose: 4920 ul/kg

LD50 [Rabbit] - Route: Skin; Dose: >20ml/kg

Special Remarks on Chronic Effects on Humans:

May cause cancer (tumorigenic) based on animal data.

May affect genetic material (mutagen): cytogenetic analysis (human lymphocyte) = 100 umol/L; sister chromatid exchange (human lymphocyte) = 1mmol/L.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: May cause skin irritation with burning pain, itching, and redness. May be absorbed through the skin and affect the liver, metabolism, and urinary tract.

Eyes: Causes eye irritation with tearing and burning pain. May cause transient corneal injury.

Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May also affect behavior, sense organs, liver and urinary system.

Inhalation: Inhalation of mist may cause respiratory tract irritation. May also affect the liver, blood, urinary system and cardiovascular system.

Chronic Potential Health Effects: May cause liver and kidney damage. Prolonged or repeated contact may cause skin necrosis and /or ulceration of the skin.

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Subtilisin:

LD50 (rat) Oral (mg/kg body weight) = 1800

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 0,13

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

Dodecylbenzenesulphonic acid, compound with 2,2',2''nitrilotriethanol (1:1):

C(E)L50 (mg/l) = 2,6

Fatty alcohol ethoxylate:

Ittiotoxicit:

LC50 (96 h) 1-10 mg/l, *Brachydanio rerio*

Aquatic invertebrates:

EC50 (48 h) 1-10 mg/l *Daphnia magna*

Aquatic plants:

EC50 (72 h) 1-10 mg/l *Scenedesmus subspicatus*

Microorganisms/effects on activated sludge:

CE10 > 1,000 mg/l, activated sludge (DEV-L2)

Chronic toxic to aquatic invertebrates:

NOEC (21 d), 0.33 mg/l *Daphnia magna*

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

2-(2-butoxyethoxy)ethanol:

Toxic to fish Lc50-*Iepomismacrochirus*-1,300 mg/l-96 h CL0-*Leuciscus idus* (dare or Golden)-> 1,000 mg/l-48 h Toxic to daphnia and other aquatic invertebrates: Ec50 *Daphnia magna* (water Flea grande)-2850 mg/l-48 h for Toxic Algae

*Desmodesmus subspicatus* Cl50-(green)-100 mg/l >-12:0 am Toxic to bacteria Lc50-*Acinetobacter*-1,170 mg/l-4:0 pm

C(E)L50 (mg/l) = 1300

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

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

2,2',2''-nitrilotriethanol:

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

C(E)L50 (mg/l) = 1390

Subtilisin:

C(E)L50 (mg/l) = 0,586

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

### **12.2. Persistence and degradability**

Related to contained substances:

Fatty alcohol ethoxylate:

Disposal considerations:

> = 90% the bismuth active substance (OECD guideline 303A)

60% > CO<sub>2</sub> formation of theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, c. 4-C)

Readily biodegradable (according to OECD criteria).

2-(2-butoxyethoxy)ethanol:

The substance miscible in water and would leach into the groundwater, be lost in groundwater and be biologically degraded.

85% (28 d, Ready Biodegradability: Modified MITI Test (s)) readily biodegradable

Sodium Lauryl Ether sulfate:

Easily biodegradable

Subtilisin:

Rapidly biodegradable (OECD TG 301B)

### **12.3. Bioaccumulative potential**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

The substance is not expected to bioaccumulate.

---

Subtilisin:  
Do not bio-accumulate

#### **12.4. Mobility in soil**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

The high idrosolubilit and low octanol/water partition coefficient indicates that adsorption to suspended solids and sediments are not significant

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

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

#### **12.6. 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**

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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

Restrictions relating to the product or to substances contained in annex XVII to Regulation (EC) 1907/2006.

3 product section.

Substances.

Point. 55 BUTYL DIGLYCOL

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

#### **15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

### **SECTION 16. Other information**

#### **16.1. Other information**

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

H334 = May cause allergy or asthma symptoms or breathing difficulties if inhaled

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.