#### ΕN

# VOLTECO S.p.A EN01 - PROFIX 30

Revision nr.2 Dated 01/03/2024 Printed on 01/03/2024 Page n. 1 / 10

Replaced revision:1 (Dated 26/10/2023)

# Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: EN01
Product name PROFIX 30
Chemical name and synonym PROFIX 30

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

Intended use primer coat to increase the characteristics of the cement support

1.3. Details of the supplier of the safety data sheet

Name VOLTECO S.p.A Full address via delle industrie 47

District and Country 31050 Ponzano Veneto (TV)

Italia

Tel. 04229663

e-mail address of the competent person

responsible for the Safety Data Sheet volteco@volteco.it

1.4. Emergency telephone number

For urgent inquiries refer to +39 06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e

Accettazione DEA - Roma - 00165)

+39 800183459 (Az. Osp. Univ. Foggia - Foggia - 71222) +39 081 7472870 (Az. Osp. "A. Cardarelli" - Napoli - 80131) +39 06 49978000 (CAV Policlinico "Umberto I" - Roma - 161) +39 06 3054343 (CAV Policlinico "A. Gemelli" - Roma - 168)

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27100)

+39 02 66101029 (Osp. Niguarda Ca' Granda - Milano - 20162)

+39 800883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo - 24127)

## **SECTION 2. Hazards identification**

## 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

# 2.2. Label elements

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

Hazard pictograms: -

Signal words: --

Hazard statements:

**EUH210** Safety data sheet available on request.

EUH208 Contains: Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

1,2-BENZISOTHIAZOLIN-3-ONE

May produce an allergic reaction.

Precautionary statements: --

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#### SECTION 2. Hazards identification .../>>

#### 2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

# **SECTION 3. Composition/information on ingredients**

#### 3.2. Mixtures

Contains:

EC

CAS

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

ETHOXYLATED ALCOHOL, SODIUM SALTS

INDEX 1 ≤ x < 3 Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412

EC 500-234-8 Eye Dam. 1 H318: ≥ 30%, Eye Irrit. 2 H319: ≥ 30%

CAS 68891-38-3 REACH Reg. 01-2119488639-16 1,2-BENZISOTHIAZOLIN-3-ONE

INDEX 613-088-00-6  $0 \le x < 0.05$  Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317,

Aquatic Acute 1 H400 M=1
220-120-9
Skin Sens. 1 H317: ≥ 0,05%
2634-33-5
LD50 Oral: 670 mg/kg

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

INDEX 613-167-00-5 0 ≤ x < 0,0015 Acute Tox. 1 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1 H314,

Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic

Chronic 1 H410 M=100

EC Skin Corr. 1 H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥

0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%

CAS 55965-84-9 STA Oral: 100 mg/kg, STA Dermal: 50,001 mg/kg, STA Inhalation vapours:

0,05 mg/l, STA Inhalation mists/powders: 0,005 mg/l

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

## **SECTION 4. First aid measures**

## 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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

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

Information not available

# **SECTION 5. Firefighting measures**

## 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

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## SECTION 5. Firefighting measures .../>>

## 5.3. Advice for firefighters

#### **GENERAL INFORMATION**

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

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

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

Block the leakage if there is no hazard.

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

## 6.2. Environmental precautions

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

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

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

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

#### 6.4. Reference to other sections

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

# **SECTION 7. Handling and storage**

## 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

# 7.3. Specific end use(s)

Information not available

# **SECTION 8. Exposure controls/personal protection**

## 8.1. Control parameters

Information not available

#### 8.2. Exposure controls

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

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.

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

SKIN PROTECTION

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

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## SECTION 8. Exposure controls/personal protection .../>>

#### **EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

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

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

# **SECTION 9. Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	Temperature: 20 °C
Colour	white	
Odour	characteristic	
Melting point / freezing point	0 °C	
Initial boiling point	100 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 60 °C	
Auto-ignition temperature	not available	
Decomposition temperature	> 180 °C	
рН	7,0-9,0	Method:ISO 976
		Concentration: 100 %
		Temperature: 23 °C
Kinematic viscosity	not applicable	
Dynamic viscosity	< 80 mPa*s	Method:ISO 2555
		Temperature: 23 °C
Solubility	soluble in water	
Partition coefficient: n-octanol/water	-0,45	Method:Linea guida 107 per il test dell'OECD
		Substance:2-methyl-4-isothiazolin-3-one
		Temperature: 24 °C
Vapour pressure	23 mBar	Temperature: 23 °C
Density and/or relative density	1,04 g/cm3	Method:ISO 2811
		Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	

# 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Explosive properties not applicable Oxidising properties not applicable

# **SECTION 10. Stability and reactivity**

# 10.1. Reactivity

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

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# SECTION 10. Stability and reactivity .../>>

## 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

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

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

Information not available

#### 10.6. Hazardous decomposition products

Information not available

# **SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

#### **ACUTE TOXICITY**

ATE (Inhalation) of the mixture:

ATE (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

1,2-BENZISOTHIAZOLIN-3-ONE

 LD50 (Dermal):
 > 2000 mg/kg Rat

 LD50 (Oral):
 670 mg/kg Rat

## SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one Due to its composition, it can be considered as little or non-irritating to the skin Direct contact with the product:

May cause skin irritation.

Thermal decomposition products, at high temperatures, could be irritating to the skin

#### **SERIOUS EYE DAMAGE / IRRITATION**

Does not meet the classification criteria for this hazard class

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#### **SECTION 11. Toxicological information** .../>>

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Contact with eyes: Due to its composition, it can be considered as slightly or non-irritating to the eyes

Direct contact with the product:

May cause eye irritation.

Thermal decomposition products, at high temperatures, could be irritating to the eyes

#### **RESPIRATORY OR SKIN SENSITISATION**

May produce an allergic reaction.

Contains:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

1,2-BENZISOTHIAZOLIN-3-ONE

#### Skin sensitization

#### 1,2-BENZISOTHIAZOLIN-3-ONE

1,2-BENZISOTHIAZOL-3(2H)-ONE:

• On animals: Weak sensitizing effect by skin contact. (Method: LLNA, Topo)

Strong sensitizing effect by skin contact. (Method: OECD Test Guideline 406  $\,$ 

Guinea Pig Maximation Test) (80 %)

Not skin sensitizing (Method: OECD Test Guideline 406 Buehler Test, Piggy of India) (82 %)

• In humans: Skin allergy observed.

#### **GERM CELL MUTAGENICITY**

Does not meet the classification criteria for this hazard class

## **CARCINOGENICITY**

Does not meet the classification criteria for this hazard class

## REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

# **STOT - SINGLE EXPOSURE**

Does not meet the classification criteria for this hazard class

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one The thermal decomposition products at high temperature could be irritating through the streets respiratory

## **STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

# ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

# 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

# **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

## 12.1. Toxicity

## 1.2-BENZISOTHIAZOLIN-3-ONE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants Chronic NOEC for Algae / Aquatic Plants 2,15 mg/l/96h Oncorhynchus mykiss

2,94 mg/l/48h Daphnia magna

0,11 mg/l/72h Pseudokirchneriella subcapitata

0,0403 mg/l Pseudokirchneriella subcapitata

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## SECTION 12. Ecological information .../>>

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one LC50 - for Fish 0,19 mg/l/96h

EC50 - for Crustacea 0,16 mg/l/48h dapnia magna

EC50 - for Algae / Aquatic Plants 0,0063 mg/l/72h

#### 12.2. Persistence and degradability

1,2-BENZISOTHIAZOLIN-3-ONE

Solubility in water 1153 mg/l

Rapidly degradable

#### 12.3. Bioaccumulative potential

1,2-BENZISOTHIAZOLIN-3-ONE

Partition coefficient: n-octanol/water 0,7

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Partition coefficient: n-octanol/water -0,48 BCF 54

#### 12.4. Mobility in soil

1,2-BENZISOTHIAZOLIN-3-ONE

Partition coefficient: soil/water 0,8

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Partition coefficient: soil/water

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

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

# 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

## 12.7. Other adverse effects

Information not available

# **SECTION 13. Disposal considerations**

# 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

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

CONTAMINATED PACKAGING

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

# **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number or ID number

not applicable

# 14.2. UN proper shipping name

not applicable

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## SECTION 14. Transport information .../>>

# 14.3. Transport hazard class(es)

not applicable

#### 14.4. Packing group

not applicable

#### 14.5. Environmental hazards

not applicable

# 14.6. Special precautions for user

not applicable

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

Information not relevant

# **SECTION 15. Regulatory information**

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

Seveso Category - Directive 2012/18/EU:

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point 75 Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

None

Point 75 1,2-BENZISOTHIAZOLIN-3-ONE

## Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

#### Substances in Candidate List (Art. 59 REACH)

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

#### Substances subject to authorisation (Annex XIV REACH)

None

# Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

## Substances subject to the Rotterdam Convention:

None

# Substances subject to the Stockholm Convention:

None

#### Healthcare controls

Information not available

# 15.2. Chemical safety assessment

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

# **SECTION 16. Other information**

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

Acute Tox. 1 Acute toxicity, category 1
Acute Tox. 2 Acute toxicity, category 2

# **VOLTECO S.p.A**

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## SECTION 16. Other information .../>>

Acute Tox. 3
Acute toxicity, category 3
Acute Tox. 4
Skin Corr. 1
Skin corrosion, category 1
Eye Dam. 1
Skin Irrit. 2
Skin irritation, category 2
Skin Sens. 1
Acute toxicity, category 4
Skin corrosion, category 1
Skin corrosion, category 1
Skin sensitization, category 2
Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H330Fatal if inhaled.H310Fatal in contact with skin.H301Toxic if swallowed.H302Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H315 Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H400** Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 EUH210 Safety data sheet available on request.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/916 (VIII Atp. CLP) of the Europ 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)

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#### SECTION 16. Other information .../>>

- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

#### Note for users:

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

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

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

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

## CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12

# Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 11 / 12 / 15 / 16.