

# VITEX S.A.

Revision nr.6 Dated 17/06/2022 Printed on 20/06/2022 Page n. 1 / 10 Replaced revision:5 (Dated 28/01/2022) ΕN

# DIAXYL PLUS WATERBASED

# Safety Data Sheet

According to Annex II to REACH - Regulation 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 DIAXYL PLUS WATERBASED Product name 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Waterbased wood penetration varnish 1.3. Details of the supplier of the safety data sheet VITEX S.A. Name **IMEROS TOPOS** Full address District and Country 19300 **ASPROPYRGOS** (ATTIKI) GREECE (0030) 2105589400 Tel. Fax (0030) 2105597859 e-mail address of the competent person responsible for the Safety Data Sheet vitexlab@vitex.gr VITEX S.A Supplier: 1.4. Emergency telephone number (0030) 2105589400 For urgent inquiries refer to (0030) 2107793777 **SECTION 2. Hazards identification** 2.1. Classification of the substance or mixture The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet. Hazard classification and indication: Hazardous to the aquatic environment, chronic H412 Harmful to aquatic life with long lasting effects. toxicity, category 3 2.2. Label elements Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements. Hazard pictograms: Signal words: Hazard statements: H412 Harmful to aquatic life with long lasting effects. EUH208 Contains. 2-methyl-2H-isothiazol-3-one 5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1) 1,2-benzisothiazol-3(2H)-one 3-IODO-2-PROPYNYLBUTYLCARBAMATE May produce an allergic reaction. Precautionary statements: P102 Keep out of reach of children P273 Avoid release to the environment. P301+P312 IF SWALLOWED: Call a POISON CENTER / doctor / . . . / if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. VOC (Directive 2004/42/EC) :



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

Minimal build woodstains.

VOC given in g/litre of product in a ready-to-use condition : Limit value:

129,00 130,00

## 2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration  $\ge 0.1\%$ .

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

## 3.2. Mixtures

## Contains:

Identification	x = Cor	nc.% C	Classification (EC) 1272/2008 (CLP)				
3-IODO-2-PROPYNYLBUTYLCARBAMATE							
CAS	55406-53-6	0,2 ≤ x < 0,25	Acute Tox. 3 H331, Acute Tox. 4 H302, STOT RE 1 H372, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1				
EC	259-627-5		LD50 Oral: 1056 mg/kg, STA Inhalation vapours: 3 mg/l, STA Inhalation mists/powders: 0,501 mg/l				
INDEX	616-212-00-7						
1,2-benzisot	hiazol-3(2H)-one						
CAS	2634-33-5	0 ≤ 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				
EC	220-120-9		Skin Sens. 1 H317: ≥ 0,05%				
INDEX	613-088-00-6		STA Oral: 500 mg/kg				
5-Chloro-2-m	nethyl- 3(2H)-isothi	azolone mixture v	/ith 2-Methyl- 3(2H)-isothiazolone (3:1)				
CAS	55965-84-9	0 ≤ x < 0,0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071				
EC			Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%				
INDEX	613-167-00-5		STA Oral: 100 mg/kg, STA Dermal: 50,001 mg/kg, STA Inhalation vapours: 0,501 mg/l, STA Inhalation mists/powders: 0,051 mg/l				
2-methyl-2H-	isothiazol-3-one						
CAS	2682-20-4	0 ≤ x < 0,0015	Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071				
EC	220-239-6		Skin Sens. 1A H317: ≥ 0.0015%				
INDEX			STA Oral: 100 mg/kg, STA Dermal: 300 mg/kg, STA Inhalation vapours: 0,501 mg/l, STA Inhalation mists/powders: 0,051 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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

## 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



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# **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.

#### 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



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# **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.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: 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.

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 B 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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

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

## 9.1. Information on basic physical and chemical properties

Properties		Value	Information
Appearance		liquid	
Colour		as showed in color folder	
Odour			
Melting point / freezing point		Not available	
Initial boiling point		Not available	
Flammability		Not available	
Lower explosive limit		Not available	
Upper explosive limit		Not available	
Flash point	>	93 °C	
Auto-ignition temperature		Not available	
рН		8,0-9,0	
Kinematic viscosity		Not available	
Dynamic viscosity		50-70 KU	Method:ASTM D 562
			Temperature: = 25 °C
Solubility		soluble in water	
Partition coefficient: n-octanol/water		Not available	
Vapour pressure		Not available	
Density and/or relative density		1,02-1,06	Method:ISO 2811
Relative vapour density		Not available	
Particle characteristics		Not applicable	

9.2.1. Information with regard to physical hazard classes



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

Information not available

9.2.2. Other safety characteristics

Explosive properties Oxidising properties not applicable 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.

## 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 - mists / powders) of the mixture:	> 5 mg/l
ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Inhalation - gas) of the mixture:	0,0 mg/l
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)



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

3-IODO-2-PROPYNYLBUTYLCARBAMATE LD50 (Dermal): LD50 (Oral):

> 2000 mg/kg Rabbit 1056 mg/kg Rat

1,2-benzisothiazol-3(2H)-one LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

> 1,221 mg/kg 1,2-benziosothiazolin-3-one > 2,175 mg/kg 1,2-benziosothiazolin-3-one 0,5 mg/l

### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

## SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

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

May produce an allergic reaction. Contains: 2-methyl-2H-isothiazol-3-one 5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1) 1,2-benzisothiazol-3(2H)-one 3-IODO-2-PROPYNYLBUTYLCARBAMATE

Respiratory sensitization

Information not available

Skin sensitization

Information not available

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

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

**STOT - SINGLE EXPOSURE** 

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available



ΕN

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

# STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

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**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

## 12.1. Toxicity

3-IODO-2-PROPYNYLBUTYLCARBAMATE LC50 - for Fish	0,067 mg/l/96h					
EC50 - for Crustacea	0,16 mg/l/48h					
EC50 - for Algae / Aquatic Plants	0,022 mg/l/72h					
1,2-benzisothiazol-3(2H)-one						
LC50 - for Fish	> 2,18 mg/l/96h 1,2-benziosothiazolin-3-one Oncorhynchus mykiss OECD Test Guideline 203					
EC50 - for Crustacea	> 2,94 mg/l/48h 1,2-benziosothiazolin-3-one Daphnia magna OECD Test Guideline 202					
EC50 - for Algae / Aquatic Plants	> 0,11 mg/l/72h 1,2-benziosothiazolin-3-one Pseudokirchneriella subcapitata OECD Test Guideline 201					
5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)						
EC50 - for Crustacea Chronic NOEC for Fish	> 0,018 mg/l/48h 0,5 mg/l					
	0,5 mg/					
12.2. Persistence and degradability						
3-IODO-2-PROPYNYLBUTYLCARBAMATE Rapidly degradable						
12.3. Bioaccumulative potential						
3-IODO-2-PROPYNYLBUTYLCARBAMATE						
Partition coefficient: n-octanol/water	2,81					
2-methyl-2H-isothiazol-3-one						
Partition coefficient: n-octanol/water	0,32 Log Kow					
12.4. Mobility in soil						
Information not available						
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						



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

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. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

### 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:

None

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

 Product

 Point

 3

 Contained substance

 Point

 75

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



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## SECTION 15. Regulatory information ... / >>

### Not applicable

<u>Substances in Candidate List (Art. 59 REACH)</u> On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  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

VOC (Directive 2004/42/EC) : Minimal build woodstains.

### 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:

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%



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

- 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) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 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)
- 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 11.

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: 02 / 03 / 09 / 11 / 12 / 15 / 16.