

Conforms to Reg. (EU) 878/2020

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Revision nº 3			
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SECTION 1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Code: F 114 Product name Floreal Scented BLEACH UFI: HT90-N04H-300W-2NW7 1.2. Relevant identified uses of the substance or mixture and uses advised against Identified Uses Industrial Professional Consumer Whitener and bleach 1 **Uses Advised Against** Do not use for uses other than those indicated 1.3. Details of the supplier of the safety data sheet NEW FADOR S.r.I. Name Full address via Mario Calderara, 31 **District and Country** 25018 Montichiari (BS) Italia Tel. +39 030961 243 www.newfador.it e-mail address of the competent person responsible for the Safety Data Sheet info@newfador.it 1.4. Emergency telephone number **NEW FADOR S.r.I.** For urgent inquiries refer to +39 030961 243 (08.30 - 17.30) **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:		
Substance or mixture corrosive to metals, category 1	H290	May be corrosive to metals.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, acute toxicity,	H400	Very toxic to aquatic life.
category 1		
Hazardous to the aquatic environment, chronic toxicity,	H411	Toxic to aquatic life with long lasting effects.
category 2		
	Substance or mixture corrosive to metals, category 1 Skin corrosion, category 1B Serious eye damage, category 1 Hazardous to the aquatic environment, acute toxicity, category 1 Hazardous to the aquatic environment, chronic toxicity,	Substance or mixture corrosive to metals, category 1H290Skin corrosion, category 1BH314Serious eye damage, category 1H318Hazardous to the aquatic environment, acute toxicity,H400category 1Hazardous to the aquatic environment, chronic toxicity,H411

2.2. Label elements

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



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Hazard pictograms: Signal words: Danger Hazard statements: H290 May be corrosive to metals. Causes severe skin burns and eye damage. H314 H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine). Precautionary statements: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear protective gloves/ protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsina. Immediately call a POISON CENTER. P310 P501 Dispose of contents / container in accordance with current regulations. Contains: SODIUM HYPOCHLORITE, SOLUTION 3,5 % CL ACTIVE Ingredients according to Regulation (EC) No. 648/2004 Less than 5% chlorine-based bleaching agents perfumes 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 $\geq 0.1\%$.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:



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Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
sodium hypochlorite, solution 15 % Cl active		
CAS 7681-52-9	22 ≤ x < 24	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH031, Classification note according to Annex VI to the CLP Regulation: B
EC 231-668-3		
INDEX 017-011-00-1		
REACH Reg. 01-2119488154-34		

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

Not specifically necessary. Observance of good industrial hygiene is recommended.

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.

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



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Normal firefighting 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

Use breathing equipment if fumes or powders are released into the air. 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

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. 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.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. 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

sodium hypochlorite, solution 15% Cl active Predicted no-effect concentration - PNEC Normal value in fresh water 0,00021 mg/l Normal value in marine water 0,00042 mg/l Normal value for water, intermittent release 0,00026 mg/l Normal value of STP microorganisms 4.69 mg/l



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Normal value for the food chain	(secondary poison	ing)		11,1	mç	j/kg		
Health - Derived no-effect	E level - DNEL / E Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	3,1 mg/m3	3,1 mg/m3	1,55 mg/m3	0,26 mg/kg/d	3,1 mg/m3	3,1 mg/m3	1,55 mg/m3	1,55 mg/m3

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

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.

Provide an emergency shower with face and eye wash station.

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 II 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 E 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



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Appearance	liquid	
Colour	straw yellow	
Odour Melting point / freezing point	characteristic 0 °C	Method: internal Method: internal Substance: WATER
Initial boiling point	100 °C	Method: internal Substance: WATER
Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature pH Kinematic viscosity Dynamic viscosity Solubility Solubility Partition coefficient: n-octanol/water Vapour pressure Density and/or relative density Relative vapour density Particle characteristics Method: Size distribution Method: Dustiness	The substance/mixture is not flammable not available not available not available not available >11,5 not available 2,8 mPa s soluble in water -3,42 not available 1,05 not available 1,05 not available 1,05 not available 1,05 not available 1,05 not available	Substance: WATER Reason for missing data: not determined Reason for missing data: not determined Reason for missing data: not determined Reason for missing data: not determined Method: internal method Reason for missing data: not determined Method: Not specified Remark: referred to the substance Sodium hydroxide (CAS 1310-73-2 EC 215-185-5) Temperature: 20 °C Method: derived from the nature of the individual raw materials component the mixture Method: Not specified Substance: sodium hypochlorite, solution 3,5 % Cl active Temperature: 20 °C
Method:	It only applies to solids	
Specific surface area Method: Shape	It only applies to solids	
Method:	It only applies to solids	
9.2. Other information		
9.2.1. Information with regard to physical haz	ard classes	
Information not available		
9.2.2. Other safety characteristics		
Explosive properties	not classified as explosive, contains no explosive substances according to CLP Art. (14 (2))	Method: internal
Oxidising properties	the product is not an oxidizing	Method: internal



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substance

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 Information not available Interactive effects Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

sodium hypochlorite, solution 15% CI active LD50 (Dermal):

Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)

> 10000 mg/kg rabbit



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LD50 (Oral): LC50 (Inhalation vapours): 1100 mg/kg rat > 10,5 mg/l/1h rat

SKIN CORROSION / IRRITATION

Corrosive for the skin Classification according to the experimental pH value

SERIOUS EYE DAMAGE / IRRITATION Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION Does not meet the classification criteria for this hazard class 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

<u>STOT - SINGLE EXPOSURE</u> Does not meet the classification criteria for this hazard class <u>Target organs</u> Information not available <u>Route of exposure</u> Information not available

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



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12.1. Toxicity

sodium hypochlorite, solution 15% Cl active LC50 - for Fish	0,059 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	0,04 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	46 mg/l/72h Gracilaria tenuistipitata
12.2. Persistence and degradability	
sodium hypochlorite, solution 15% Cl active	
Solubility in water	1000 - 10000 mg/l
Degradability: information not available	
12.3. Bioaccumulative potential	
sodium hypochlorite, solution 15% Cl active	
Partition coefficient: n-octanol/water	-3,42
12.4. Mobility in soil	
sodium hypochlorite, solution 15% Cl active	
Partition coefficient: soil/water	-2,9686

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. 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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

SECTION 14. Transport information

14.1. UN number or ID number



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ADR / RID, IMDG, IATA:

14.2. UN proper shipping name

1791

ADR / RID:	HYPOCHLORITE SOLUTION
IMDG:	HYPOCHLORITE SOLUTION
IATA:	HYPOCHLORITE SOLUTION

14.3. Transport hazard class(es)

ADR / RID:	Class: 8	Label: 8
IMDG:	Class: 8	Label: 8
ΙΑΤΑ:	Class: 8	Label: 8



14.4. Packing group

ADR / RID, IMDG,	IATA: II	L
		•

14.5. Environmental hazards

ADR / RID:	Environmentally Hazardous	
IMDG:	Marine Pollutant	

IATA: NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80 Special provision: -	Limited Quantities: 5 L	Tunnel restriction code: (E)
IMDG:	EMS: F-A, S-B	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 856
	Pass.:	Maximum quantity: 5 L	Packaging instructions: 852
	Special provision:	A3, A803	

14.7. Maritime transport in bulk according to IMO instruments



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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: 41

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

Product Point 3 Contained substance 75

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 \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None

Point

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004 Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017) WGK 2: Hazard to waters

15.2. Chemical safety assessment

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



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SECTION 16. Other information

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

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, 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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
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.
EUH031	Contact with acids liberates toxic gas.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

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)



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- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 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: 01 / 02 / 03 / 08 / 09 / 11 / 12 / 15.