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## 300 ml FA00812 - Deodorante Ambiente

Safety	Data	Sheet	t
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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 300 ml FA00812 Code. Product name **Deodorante Ambiente** UFI · FQ72-X021-H00P-SMTK 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Deodorante Ambiente 300 ml FRESH AROMA 1.3. Details of the supplier of the safety data sheet Name BM srl Full address Via Santa Maria del Monte 522-550 District and Country 47835 Saludecio (Rimini) Italia 0039 0541 869011 Tel. 0039 0541 869556 Fax e-mail address of the competent person responsible for the Safety Data Sheet regulatory.bmsrl@gmail.com BM srl Supplier: 1.4. Emergency telephone number BM SRL : Tel. 0039-0541-869011 For urgent inquiries refer to Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano) (H24) Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia) Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo) Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze) Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma) Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma) Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

## **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:		
Aerosol, category 2	H223	Flammable aerosol.
	H229	Pressurised container: may burst if heated.

#### 2.2. Label elements

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

Hazard pictograms:



Signal words:

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

Hazard statements:	
H223	Flammable aerosol.
H229	Pressurised container: may burst if heated.
Precautionary statements:	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.
P102	Keep out of reach of children.
P211	Do not spray on an open flame or other ignition source.

#### 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**

Isobutano

Non contiene 1.3 butadiene in quantità superiore a 0,1%.

#### 3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
Butano			
CAS	106-97-8	9≤x< 12	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U
EC	203-448-7		·
INDEX	601-004-00-0		
REACH Reg.	01-2119474691-3	2-XXXX	
Isobutano			
CAS	75-28-5	$7 \le x < 9$	Flam. Gas 1A H220, Press. Gas H280, Classification note according to Annex VI to the CLP Regulation: C, U
EC	200-857-2		•
INDEX	601-004-00-0		
REACH Reg.	01-2119485395-2	7-XXXX	
PROPANE			
CAS	74-98-6	5≤x< 7	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U
EC	200-827-9		-
INDEX	601-003-00-5		
REACH Reg.	01-2119486944-		
	01-2119486944-2	1-XXXX	
SODIUM BEN	ZOATE		
CAS	532-32-1	0,3 ≤ x < 0,35	Eye Irrit. 2 H319
EC	208-534-8		
INDEX			
SODIUM NITE			
CAS	7632-00-0	0,15 ≤ x < 0,2	Ox. Sol. 2 H272, Acute Tox. 3 H301, Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=1
EC	231-555-9		LD50 Oral: 180 mg/kg
INDEX	007-010-00-4		

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

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants. Percentage of propellants: 25,00 %

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## **300 ml FA00812 - Deodorante Ambiente**

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

#### 4.1. Description of first aid measures

No episodes of harm to the staff authorised to use the product have been reported. The following general measures should be adopted as necessary:

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention. INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.

EYES and SKIN: Wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

#### 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 If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the 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.

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

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

#### 6.2. Environmental precautions

Do not disperse in the environment.

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

Use inert absorbent material to soak up leaked product. 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.

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## **SECTION 7. Handling and storage**

### 7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

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

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

#### 7.3. Specific end use(s)

Information not available

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

### 8.1. Control parameters

Regulatory references:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία"»
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy

				PR	OPANE	
Threshold Limit	Value					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
VLA	ESP		1000			
TLV	GRC	1800	1000			
NDS/NDSCh	POL	1800				

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

				SODIUM	BENZOATE				
Threshold Limit Valu	e								
Туре С	Country	TWA/8h		STEL/15r	nin	Remarks / Obs	servations		
		mg/m3	ppm	mg/m3	ppm				
AGW D	EU	2		10		INHAL			
AGW D	EU	2		10		SKIN			
Predicted no-effect of	oncentra	tion - PNEC							
Normal value in fre	sh water						0,13	mg/l	
Normal value in ma	arine wate	er					0,013	mg/l	
Normal value for fr	esh water	sediment					1,76	mg/kg	
Normal value for m	arine wat	er sediment					0,176	mg/kg	
Normal value for w	ater, inter	mittent relea	se				0,305	mg/l	
Normal value of ST	P microo	rganisms					10	mg/l	
Normal value for the							0,276	mg/kg	
Health - Derived no-e	effect leve	el - DNEL / D	DMEL						
	Effec	cts on consu	ners			Effects on worke	ers		
Route of exposure	Acut	e Acut	te	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	l syst	emic	local	systemic		systemic	local	systemic
Oral				25					
				mg/kg/d					
Inhalation				2,1				10,4	
				mg/m3				mg/m3	
Skin				20,8				34,7	
				mg/kg/d				mg/kg/d	

### (R)-P-MENTHA-1,8-DIENE

				(		
Threshold Lim	nit Value					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	28	5	112	20	SKIN
MAK	DEU	28	5	112	20	SKIN
VLA	ESP	168	30			SKIN

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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.

HAND PROTECTION

None required.

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 ISO 16321).

RESPIRATORY PROTECTION

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. Use a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387). 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
Appearance	aerosol
Colour	not available
Odour	characteristic
Melting point / freezing point	not available
Initial boiling point	

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

		not ap	oplicable
Flammability		incom	bustible
Lower explosive limit		1,8	% (v/v)
Upper explosive limit		9,5	% (v/v)
Flash point		Comb	oustion not sustained.
Auto-ignition temperature	>	300	°C
Decomposition temperature		not av	vailable
pH		not av	vailable
Kinematic viscosity		not av	vailable
Solubility		solubl	e in water
Partition coefficient: n-octanol/water		not av	vailable
Vapour pressure		309,0	7 mbar
Density and/or relative density		0,84	
Relative vapour density		not av	vailable
Particle characteristics		not ap	plicable

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Flammable liquids Sustained combustibility	does not sustain combustion
9.2.2. Other safety characteristics	
Total solids (250°C / 482°F) VOC (Directive 2010/75/EU) VOC (volatile carbon)	0,56 % 33,23 % - 25.584,59 g/litre 27,37 % - 21.072,09 g/litre
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

Avoid overheating.

#### 10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

#### 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

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SECTION 11. Toxicological information ... / >>

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: ATE (Dermal) of the mixture:

> Isobutano LC50 (Inhalation vapours):

SODIUM BENZOATE LD50 (Oral):

SODIUM NITRITE LD50 (Oral): LC50 (Inhalation mists/powders):

180 mg/kg Rat 5,5 mg/l/4h

2100 mg/kg Rat

570000 ppm/1h

>2000 mg/kg

Not classified (no significant component)

Not classified (no significant component)

**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** 

Does not meet the classification criteria for this hazard class

### 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

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

#### 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.

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## **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

Isobutano LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	28 mg/l/96h 16,3 mg/l/48h 8,6 mg/l/72h
SODIUM NITRITE LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	0,79 mg/l/96h Oncorhynchus mykiss 23,31 mg/l/48h Penaeus monodon 159 mg/l/72h Tetraseimis chui
12.2. Persistence and degradability	
SODIUM NITRITE Solubility in water Degradability: information not available	848000 mg/l
SODIUM BENZOATE Solubility in water Rapidly degradable	> 10000 mg/l
PROPANE Solubility in water Rapidly degradable	0,1 - 100 mg/l
12.3. Bioaccumulative potential	
SODIUM NITRITE Partition coefficient: n-octanol/water	-3,7
SODIUM BENZOATE Partition coefficient: n-octanol/water	1,88
PROPANE Partition coefficient: n-octanol/water	1,09
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  $\geq$  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

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## 300 ml FA00812 - Deodorante Ambiente SECTION 13. Disposal considerations .../>>

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

ADR / RID, IMDG, IATA: 1950

#### 14.2. UN proper shipping name

ADR / RID:	AEROSOLS
IMDG:	AEROSOLS
IATA:	AEROSOLS, FLAMMABLE

### 14.3. Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1	2
IMDG:	Class: 2	Label: 2.1	
IATA:	Class: 2	Label: 2.1	

#### 14.4. Packing group

ADR / RID, IMDG, IATA:

### 14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

### 14.6. Special precautions for user

ADR / RID:	HIN - Kemler:	Limited Quantities: 1 L	Tunnel restriction code: (D)
	Special provision: -		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 150 Kg	Packaging instructions: 203
	Passengers:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Special provision:	A145, A167, A802	

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

Information not relevant

## **SECTION 15. Regulatory information**

Seveso Categor	<u>y - Directive 2012/18/EU:</u>	18	
-			
Restrictions relations	ting to the product or contained subs	stances pursuant to Annex XVII to EC Regulation 19	07/2006
Product			
Point	40		
Contained sub	stance		
oontainoa oab			

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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

### 15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances Butano Isobutano

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

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

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 2	Aerosol, category 2
Aerosol 3	Aerosol, category 3
Ox. Sol. 2	Oxidising solid, category 2
Press. Gas (Liq.)	Liquefied gas
Press. Gas	Pressurised gas
Acute Tox. 3	Acute toxicity, category 3
Eye Irrit. 2	Eye irritation, category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H220	Extremely flammable gas.
H223	Flammable aerosol.
H229	Pressurised container: may burst if heated.
H272	May intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

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

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

- 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)
- 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 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: 01/02/03/09/11/12/15/16.