

# Safety Data Sheet

Complies with Annex II of REACH - Regulation (EU) 2020/878

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

### 1.1. Product identifier

Code:	0035115
Name	PULI FUMO
Chemical name and synonyms	PULI FUMO

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

Sector of use	SU22 – Professional uses SU21 – Consumer uses
Product category	PC35 – Washing and cleaning products (including solvent based products)
Description/Usage	alkaline cleaner and degreaser

### 1.3. Details of the supplier of the safety data sheet

Business name	MARBEC SRL
Address	VIA CROCE ROSSA 5/i
Location and State	51037 MONTALE (PISTOIA) ITALY
	tel. +039 0573/959848
	fax

e-mail of the competent person, responsible for the safety data sheet	info@marbec.it
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### 1.4. Emergency telephone number

For urgent inquiries please contact

MARBEC srl  
0573959848 h8.30-13 h14-18 or 3357267921  
Telephone number of Poison Control Centers active 24/24 hours  
IRCSS Maugeri Foundation –  
Pavia 0039-0382-24444  
CAV Ospedali Riuniti –  
Bergamo 0039-800-883300  
CAV Niguarda Ca` Granda Hospital –  
Milan 0039-02-66101029  
CAV Careggi Hospital - Florence 0039-055-7947819  
CAV Gemelli Polyclinic –  
Rome 0039-06-3054343  
CAV Umberto I Polyclinic –  
Rome 0039-06 49978000  
CAV Cardarelli Hospital –  
Naples 0039-081 5453333  
CAV Integrated Hospital Verona - Verona 800011858

## SECTION 2. Hazards identification

### 2.1. Substance or mixture classification

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 indications:

Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.

## 2.2. Label elements

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

#### Hazard pictograms:



Warnings: Danger

#### Indications of danger:

**H314** Causes severe skin burns and eye damage.

#### Precautionary statements:

<b>P260</b>	Do not breathe dust / fume / gas / mist / vapours / spray.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P303+P361+P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
<b>P280</b>	Wear protective gloves/ protective clothing / eye protection / face protection.
<b>P310</b>	Immediately call a POISON CENTER / doctor / . . .
<b>P301+P330+P331</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Contains:** Potassium hydroxide  
Sodium metasilicate pentahydrate

#### Ingredients compliant with Regulation (EC) No. 648/2004

Anionic surfactants <5%

## 2.3. Other dangers

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

**3.2. Mixtures**

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
<b>SODIUM METASILICATE PENTAHYDRATE</b> CAS 10213-79-3 EC 229-912-9 INDEX - REACH Reg. 012119449811-37	3 ≤ x < 5	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
<b>SODIUM CARBONATE</b> CAS 497-19-8 CE 207-838-8 INDEX 011-005-00-2 REACH Reg. 01-2119485498-19	1 ≤ x < 3	Eye Irrit. 2H319
<b>POTASSIUM HYDROXIDE</b> CAS 1310-58-3 CE 215-181-3 INDEX 019-002-00-8 REACH Reg. 01-2119487136-33-xxxx	1 ≤ x < 2	Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1A H314, Eye Dam. 1 H318 Skin Corr. 1B H314: ≥ 2%, Skin Irrit. 2 H315: ≥ 0.5%, Eye Dam. 1 H318: ≥ 2%, Eye Irrit. 2H319: ≥ 0.5% Oral LD50: 333
<b>decyl glucoside</b> CAS 68515-73-1 THERE IS INDEX - REACH Reg. 01-2119488530-36	1 ≤ x < 3	Eye Dam. 1 H318

The complete text of the danger indications (H) is given in section 16 of the sheet.

**SECTION 4. First aid measures****4.1. Description of first aid measures**

**EYES:** Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids wide. Consult a doctor immediately.

**SKIN:** Take off all contaminated clothing. Take a shower immediately. Consult a doctor immediately.

**INGESTION:** Drink as much water as possible. Consult a doctor immediately. Do not induce vomiting unless specifically authorized by your doctor.

**INHALATION:** Call a doctor immediately. Move the person to fresh air away from the scene of the accident. If breathing stops, give artificial respiration. Take appropriate precautions for the rescuer.

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

No specific information on symptoms and effects caused by the product is known.

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

Information not available

## SECTION 5. Fire fighting measures

### 5.1. Fire fighting

#### SUITABLE EXTINGUISHING MEANS

Choose the most appropriate extinguishing media for the specific situation.

#### UNSUITABLE EXTINGUISHING MEANS

No one in particular.

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

#### HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

The product is not flammable or combustible.

### 5.3. Recommendations for firefighters

#### EQUIPMENT

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and firefighter boots (HO A29 or A30).

## SECTION 6. Accidental release measures

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

Stop the leak if there is no danger.

Wearing of suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for those involved in the work and for emergency interventions.

### 6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

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

Suck the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

### 6.4. Reference to other sections

Any information regarding individual protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage



**POTASSIUM HYDROXIDE****Threshold limit value**

Guy	State	TWA/8h	STEL/15min	Notes / Observations
		mg/m3	ppm	
VLA extension	ESP	1	4	BREATHE
VLEP extension	BETWEEN		2	
WEL	GBR		2	
TLV-ACGIH			2 (C)	

**Health - Derived no-effect level - DNEL / DMEL**

Exposure route	Effects on consumers				Effects on workers			
	Sharp rooms	Acute systemic	Chronic premises	Chronic systemic	Sharp rooms	Acute systemic	Chronic premises	Chronic systemic
Inhalation			1mg/m3				1mg/m3	

**decyl glucoside****Predicted no-effect concentration for the environment - PNEC**

Reference value in fresh water	0.1	mg/l
Reference value in sea water	0.01	mg/l
Reference value for sediments in fresh water	0.487	mg/kg
Reference value for water, intermittent release	0.27	mg/l
Reference value for STP microorganisms	560	mg/l
Reference value for the terrestrial compartment	0.654	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Exposure route	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				35.7 mg/kg/d				
Inhalation				124 mg/m3				420 mg/m3
Dermal				357000 mg/kg/d				595000 mg/kg/d

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction; RESPIR = Respirable Fraction; THORAC = Thoracic fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected; NPI = No Hazards Identified.

**8.2. Exposure controls**

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local aspiration.

When selecting personal protective equipment, seek advice from your chemical suppliers if necessary.

Personal protective equipment must bear the CE marking which certifies their compliance with current standards.

Provide for an emergency shower with a visor basin.

**HAND PROTECTION**

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

For the final choice of work glove material, the following must be considered: compatibility, degradation, breakthrough time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it cannot be foreseen. The gloves have a

wear time that depends on the duration and method of use.

#### SKIN PROTECTION

Wear long-sleeved work clothes and category III professional safety footwear (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

#### EYE PROTECTION

It is advisable to wear a hooded visor or protective visor combined with airtight goggles (ref. standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration for use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, it is necessary to provide combined type filters.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air respirator (ref. standard EN 137) or a plug-in respirator external air (ref. standard EN 138). For the correct choice of respiratory protection device, refer to the EN 529 standard.

#### ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	liquid	
Color	straw yellow	
Odor	characteristic	
Melting or freezing point	Not available	
Initial boiling point	Not available	
Flammability	incombustible	
Lower explosive limit	Not applicable	
Upper explosive limit	Not applicable	
Flash point	> 90°C	
Self-ignition temperature	Not applicable	
pH	14	
Kinematic viscosity	Not available	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	Not available	
Vapor pressure	Not available	
Density and/or Relative Density	1.06	
Relative vapor density	Not available	
Particle characteristics	Not applicable	

### 9.2. More info

#### 9.2.1. Information relating to classes of physical hazards

Information not available

9.2.2. Other security features

VOC (Directive 2010/75/CE) : 0 gr/lit

Explosive properties not explosive

Oxidizing properties non-oxidant

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, dangerous reactions are not foreseeable.

### 10.4. Conditions to avoid

None in particular. However, follow the usual precautions for chemical products.

### 10.5. Incompatible materials

Information not available

### 10.6. Hazardous decomposition products

Information not available

## SECTION 11. Toxicological information

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

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure



Information not available

Immediate, delayed and chronic effects resulting from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant component)
ATE (Oral) of the mix:	>2000mg/kg
ATE (Dermal) of the mixture:	Not classified (no relevant component)

**SODIUM METASILICATE PENTAHYDRATE**

LD50 (Dermal):	> 5000 mg/kg rat
LD50 (Oral):	> 1152 mg/kg rat
LC50 (Inhalation of mists/dust):	> 2.06 g/m3 rat

**SODIUM CARBONATE**

LD50 (Dermal):	> 2000 mg/kg rabbit
LD50 (Oral):	2800 mg/kg rat
LC50 (Inhalation of mists/dust):	2300 mg/l/2h Rat

**POTASSIUM HYDROXIDE**

LD50 (Oral):	333 mg/kg Rat
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**decyl glucoside**

LD50 (Dermal):	> 2000 mg/kg rat
LD50 (Oral):	> 2000 mg/kg rat

SKIN CORROSION / SKIN IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

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

Harmful effects on offspring development

Information not available

Effects on or through breastfeeding

Information not available

**SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE**

Does not meet the classification criteria for this hazard class

**Target organs**

Information not available

**Route of exposure**

Information not available

**SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

**Target organs**

Information not available

**Route of exposure**

Information not available

**DANGER IN CASE OF ASPIRATION**

Does not meet the classification criteria for this hazard class

**11.2. Information about 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 effects on human health under evaluation.

**SECTION 12. Ecological information****12.1. Toxicity**

## SODIUM CARBONATE

LC50 - Fish

300 mg/l/96h lepomis macrochirus

EC50 - Crustaceans

200 mg/l/48h daphnia magna

## SODIUM METASILICATE PENTAHYDRATE

LC50 - Fish

210 mg/l/96h brachydanio rerio

EC50 - Crustaceans

1700 mg/l/48h daphnia magna

**12.2. Persistence and degradability**

## SODIUM METASILICATE PENTAHYDRATE

Inorganic. Soluble silicates depolymerize rapidly when diluted, producing molecular species that are indistinguishable from natural silica.

## SODIUM CARBONATE

Solubility in water

1000 - 10000 mg/l

Degradability: data not available

## POTASSIUM HYDROXIDE

Solubility in water

&gt; 10000 mg/l

Degradability: data not available

decyl glucoside

Quickly degradable

**12.3. Bioaccumulative potential**

## SODIUM METASILICATE PENTAHYDRATE

Inorganic. The substance has no bioaccumulation potential.

**12.4. Mobility in soil**

Information not available

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

Based on available data, the product does not contain PBT or vPvB substances in a percentage  $\geq 0.1\%$ .

**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 effects on the environment being evaluated.

**12.7. Other adverse effects**

Information not available

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste which partially contains this product must be evaluated on the basis of the legislative provisions in force.

Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local legislation. Transportation of waste may be subject to ADR.

#### CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

## SECTION 14. Transportation Information

### 14.1. UN number or ID number

ADR / RID, IMDG, 3266  
IATA:

### 14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, BASIC, INORGANIC, NOS (potassium hydroxide, sodium metasilicate)  
IMDG: CORROSIVE LIQUID, BASIC, INORGANIC, NOS (potassium hydroxide, sodium metasilicate)  
IATA: CORROSIVE LIQUID, BASIC, INORGANIC, NOS (potassium hydroxide, sodium metasilicate)

### 14.3. Transport hazard classes

ADR / RID: Class: 8 Tag: 8

IMDG: Class: 8 Tag: 8

IATA: Class: 8 Tag: 8



### 14.4. Packing group

ADR / RID, IMDG, III  
IATA:

### 14.5. Dangers for the environment

ADR / RID: NO

IMDG: NO

IATA: NO

### 14.6. Special precautions for user

**MARBEC SRL**

Revision no. 6

Revision date 03/02/2022

**0035115 – PULI FUMO**

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Supersedes Revision:5 (Revision Date: 27/10/2020)

ADR / RID:	HIN-Kemler: 80	Limited quantities: 5 L	Tunnel restriction code: (E)
IMDG:	Special provision: 274 EMS:FA,SB	Limited quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packing instructions: 856
	Pass.:	Maximum quantity: 5L	Packaging instructions: 852
	Special Arrangement:	A3, A803	

**14.7. Shipping in bulk in accordance with IMO acts**

Information not relevant

**SECTION 15. Regulatory Information****15.1. Safety, health and environmental laws and regulations specific to the substance or mixture**

Seveso category - Directive 2012/18/EU: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006Product  
Point 3Substances contained

Point 75

Regulation (EU) 2019/1148 - concerning the placing on the market and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)Based on the data available, the product does not contain SVHC substances in a percentage  $\geq 0.1\%$ .Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out according to the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the worker's health and safety has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

**15.2. Chemical safety assessment**

A chemical safety assessment has been prepared for the following substances contained in the mixture: Potassium hydroxide, Sodium metasilicate pentahydrate, Sodium carbonate.

**SECTION 16. Other information**

Text of the danger indications (H) mentioned in sections 2-3 of the sheet:

<b>Met. Corr. 1</b>	Substance or mixture corrosive to metals, category 1
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1A</b>	Skin corrosion, category 1A
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>STOT IF 3</b>	Specific target organ toxicity - single exposure, category 3
<b>H290</b>	May be corrosive to metals.
<b>H302</b>	Harmful if swallowed.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H318</b>	Causes serious eye damage.
<b>H335</b>	May cause respiratory irritation.

**LEGEND:**

- ADR: European agreement for the carriage of dangerous goods by road
- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European Archive of Existing Substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EC50: Concentration that affects 50% of the population tested
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the classification and labeling of chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilisation of 50% of the test population
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Level of occupational exposure
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate

- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted Average Exposure Limit
- TWA STEL: Short Term Exposure Limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

**GENERAL BIBLIOGRAPHY:**

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
  2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
  3. Regulation (EU) 2020/878 (Annex II REACH Regulation)
  4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
  5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
  6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
  10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
  11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
  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 (EU) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA Agency website
  - Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità

**Note for the user:**

The information contained in this sheet is based on the knowledge available to us on the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel involved in the use of chemical products.

**CLASSIFICATION CALCULATION METHODS**

Physical and chemical hazards: The classification of the product has been derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the physical and chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 4, unless otherwise indicated in section 12.

**Changes from the previous revision**

Changes have been made to the following sections:

01 / 02 / 03 / 09 / 11 / 12 / 14 / 15 / 16.