

Conforms to Reg. (EU) 878/2020

Sheet Code S-P4/2-2

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RLAB

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

Rev. N°

0

1.1. Product identifier

Code: TERZI36

Product name Polvere Abrasiva AMACASA UFI: QQ10-208M-F00E-WGMV

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

Identified Uses Industrial Professional Consumer
Abrasive powder detergent for hard surfaces -

Uses Advised Against

Do not use for uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name NEW FADOR S.r.I.
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

For urgent inquiries refer to **NEW FADOR S.r.I.** 

+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:

Specific target organ toxicity - single exposure, category 3 H335 May cause respiratory irritation.

Hazardous to the aquatic environment, chronic toxicity, H412 Harmful to aquatic life with long lasting effects.

category 3

#### 2.2. Label elements

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

Hazard pictograms:



Signal words: Warning

Hazard statements:

**H335** May cause respiratory irritation.

**H412** Harmful to aquatic life with long lasting effects.



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#### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

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P102 Keep out of reach of children.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

Use only outdoors or in a well-ventilated area. P271 P312 Call a POISON CENTRE if you feel unwell.

P501 Dispose of contents/container in accordance to current regulation.

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

Less than 5% anionic surfactants, 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 ≥ than 0,1%.

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

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

#### 3.1. Substances

Information not relevant

## 3.2. Mixtures

Contains:

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

Reaction mass of sodium 1methoxy-1-oxohexadecane-2sulphonate and sodium methyl 2sulphooctadecanoate

CAS  $1 \le x < 5$ Acute Tox. 4 H302,

Eye Irrit. 2 H319, Aquatic Chronic 3 H412

EC 911-616-2 LD50 Oral: 300 mg/kg bw

INDEX -

REACH Reg. 01-2119763801-37

**SODIUM CARBONATE** 

CAS 497-19-8 Eye Irrit. 2 H319  $1 \le x < 5$ 

EC 207-838-8 INDEX 011-005-00-2

REACH Reg. 01-2119485498-19

TROCLOSENE SODIUM,

**DIHYDRATE** 

CAS 51580-86-0  $0,1 \le x < 1$ Acute Tox. 4 H302,

Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Acute 1 H400 M=1,

Aquatic Chronic 1 H410 M=1, EUH031

LD50 Oral: 1671 mg/kg bw

INDEX 613-030-01-7

EC 220-767-7

REACH Reg. 01-2119489371-33

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

# **SECTION 4. First aid measures**



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

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

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

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

Information not available

# **SECTION 5. Firefighting measures**

#### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

## HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

#### 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 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

If there are no contraindications, spray powder with water to prevent the formation of dust.

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 and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

# Document n°

# SCHEDA DI SICUREZZA

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

# **SECTION 7. Handling and storage**

#### 7.1. Precautions for safe handling

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

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

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

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

Information not available

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

#### 8.1. Control parameters

SODIUM CARBONATE Health - Derived no-ef	='	OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Noute of exposure	Acute local	Acute systemic	Chilonic local	systemic	Acute local	systemic	Official local	systemic
Inhalation			10 ===/==2				10 2	

Effects on				Effects on				
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			10 mg/m3				10 mg/m3	
Reaction mass of sodi		xohexadecane-2-	sulphonate an	d sodium met	thyl 2-sulphod	octadecanoa	te	
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				0,005	mg	ı/l		
Normal value in marine water	er			0	mg	ı/I		
Normal value for fresh wate	r sediment			3,54	mg	J/kg/d		
Normal value for marine wa	ter sediment			0,354	mg	J/kg/d		
Normal value for water, inte	rmittent release			0,012	mg	ı/l		
Normal value of STP microo	organisms			10	mç	ı/I		
Normal value for the food ch	nain (secondary poison	ing)		5,33	mç	ı/kg		
Normal value for the terrest	rial compartment			0,702	mç	ı/kg/d		
Health - Derived no-eff	ect level - DNEL / [	OMEL						
	Effects on				Effects on			
Doute of eveneurs	consumers	A cuto ovotomio	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Route of exposure	Acute local	Acute systemic	Chronic local	systemic	Acute local	systemic	Chronic local	systemic
Oral				0,67 mg/kg		•		
Inhalation				bw/d 2,3 mg/m3				7,8 mg/m3
			0.400 / 0				0.000 / 0	
Skin			0,123 mg/cm2	0,925 mg/kg bw/d			0,206 mg/cm <sup>2</sup>	1,54 mg/kg bw/d
				, ~				0
TROCLOSENE SODIUM	M, DIHYDRATE							
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				0	mg	ı/I		
Normal value in marine water	er			1,52	mg	ı/I		
Normal value for fresh wate	r sediment			7,56	mg	ı/kg		

TROCLOSENE SODIUM, DIHYDRATE Predicted no-effect concentration - PNEC			
Normal value in fresh water	0	mg/l	
Normal value in marine water	1,52	mg/l	
Normal value for fresh water sediment	7,56	mg/kg	
Normal value of STP microorganisms	0,59	mg/l	
Normal value for the terrestrial compartment	0,756	mg/kg	
Health - Derived no-effect level - DNEL / DMEL	_		

Health - Derived no-effect level - DNEL / DMEL								
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic



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Oral	1,15 mg/kg bw/d	
Inhalation	1,99 mg/m3	8,11 mg/m3
Skin	1,15 mg/kg bw/d	2,3 mg/kg bw/d

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

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

#### 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

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

#### 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

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

#### **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	powder	
Colour	white	
Odour	characteristic	
Melting point / freezing point	Not available	
Initial boiling point	Not available	
Flammability	not applicable	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Flash point	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
рН	Not available	
Kinematic viscosity	Not available	
Solubility	partially soluble in water	
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	Not available	
Density and/or relative density	Not available	
Relative vapour density	Not available	
Particle characteristics	Not available	



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#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes Information not available

9.2.2. Other safety characteristics

Information not available

Oxidising properties

VOC (volatile carbon) 0,04

Explosive properties not classified as explosive,

contains no explosive substances according to CLP

Art. (14 (2))

0

the product is not an oxidizing

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

The powders are potentially explosive when mixed with air.

#### 10.4. Conditions to avoid

Avoid environmental dust build-up.

#### 10.5. Incompatible materials

Information not available

#### 10.6. Hazardous decomposition products

Information not available

# **SECTION 11. Toxicological information**

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available Interactive effects

Information not available

# **ACUTE TOXICITY**

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

## SODIUM CARBONATE

LD50 (Oral): LD50 (Dermal): LC50 (Inhalation mists/powders): 2800 mg/kg Rat > 2000 mg/kg rabbit 800 mg/l/2h guinea pig



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Reaction mass of sodium 1-methoxy-1-oxohexadecane-2-sulphonate and sodium methyl 2-sulphooctadecanoate

LD50 (Oral): 300 mg/kg bw rat LD50 (Dermal): > 2000 mg/kg

TROCLOSENE SODIUM, DIHYDRATE

LD50 (Oral): 1671 mg/kg bw LD50 (Dermal): 5000 mg/kg bw LC50 (Inhalation vapours): 0,27 mg/l/4h

#### 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

May cause respiratory irritation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

**ASPIRATION HAZARD** 

Does not meet the classification criteria for this hazard class

#### 11.2. Information on other hazards

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

#### **SECTION 12. Ecological information**

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

SODIUM CARBONATE

LC50 - for Fish 300 mg/l/96h EC50 - for Crustacea 200 mg/l/48h EC50 - for Algae / Aquatic Plants 10 mg/l Chronic NOEC for Fish 560 mg/l 96h Chronic NOEC for Algae / Aquatic Plants 1 mg/l

TROCLOSENE SODIUM, DIHYDRATE

0,24 mg/l/96h LC50 - for Fish EC50 - for Crustacea 0,196 mg/l/48h Chronic NOEC for Fish 1000 mg/l 160 mg/l Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants 0,5 mg/l

Reaction mass of sodium 1-methoxy-1oxohexadecane-2-sulphonate and sodium

methyl 2-sulphooctadecanoate

LC50 - for Fish 1,5 mg/l/96h 1,24 mg/l/48h EC50 - for Crustacea > 0.8 mg/l/72hEC50 - for Algae / Aquatic Plants Chronic NOEC for Algae / Aquatic Plants > 0.8 mg/l

### 12.2. Persistence and degradability

SODIUM CARBONATE

Solubility in water 1000 - 10000 mg/l



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Degradability: information not available

TROCLOSENE SODIUM, DIHYDRATE Rapidly degradable

#### 12.3. Bioaccumulative potential

Reaction mass of sodium 1-methoxy-1oxohexadecane-2-sulphonate and sodium methyl 2-sulphooctadecanoate BCF

70,8 l/kg

#### 12.4. Mobility in soil

Reaction mass of sodium 1-methoxy-1oxohexadecane-2-sulphonate and sodium methyl 2-sulphooctadecanoate Partition coefficient: soil/water

3,87

#### 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.

**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



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#### 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/EC: None

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

None

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors Not applicable

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

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

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

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

#### 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.

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

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

Acute Tox. 4 Acute toxicity, category 4

Eye Irrit. 2 Eye irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

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

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

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



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H302 Harmful if swallowed. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

**EUH031** Contact with acids liberates toxic gas.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 (EU) 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)
- 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



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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.