

	Revision nr.5 Dated 01/08/2024 Printed on 01/08/2024 Page n. 1 / 10 Replaced revision:4 (Dated 14/03/2024)	EN																																
pH 7,00 - Green pH 7.00 buffer																																		
Safety Data Sheet 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 <table><tr><td>Code:</td><td>pH 7,00</td></tr><tr><td>Product name</td><td>Green pH 7.00 buffer</td></tr><tr><td>Chemical name and synonym</td><td>Buffer solution PH 7.00 green</td></tr></table>			Code:	pH 7,00	Product name	Green pH 7.00 buffer	Chemical name and synonym	Buffer solution PH 7.00 green																										
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1.2. Relevant identified uses of the substance or mixture and uses advised against <table><tr><td>Intended use</td><td>Standard process verification and control solution. Applies to codes 32382923, 32383053, 32383133, 51100043, 51100143, 51100243, 51101023, 51102023, 51102203, 51102213, 51102233, 51102243 , 51102263, 51102283, EE32383053, EE32383133, EE51100043, EE51100143, EE51100243, EE51102023, EH51100043, EH51100143</td></tr></table> <table><tr><th>Identified Uses</th><th>Industrial</th><th>Professional</th><th>Consumer</th></tr><tr><td>Standard solution for the verification and quality control of pH measurement systems</td><td>✓</td><td>✓</td><td>-</td></tr></table>			Intended use	Standard process verification and control solution. Applies to codes 32382923, 32383053, 32383133, 51100043, 51100143, 51100243, 51101023, 51102023, 51102203, 51102213, 51102233, 51102243 , 51102263, 51102283, EE32383053, EE32383133, EE51100043, EE51100143, EE51100243, EE51102023, EH51100043, EH51100143	Identified Uses	Industrial	Professional	Consumer	Standard solution for the verification and quality control of pH measurement systems	✓	✓	-																						
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Identified Uses	Industrial	Professional	Consumer																															
Standard solution for the verification and quality control of pH measurement systems	✓	✓	-																															
1.3. Details of the supplier of the safety data sheet <table><tr><td>Name</td><td colspan="3">GIORGIO BORMAC srl</td></tr><tr><td>Full address</td><td colspan="3">via della meccanica, 25</td></tr><tr><td>District and Country</td><td>41012 Carpi</td><td></td><td>(MO)</td></tr><tr><td></td><td>Italia</td><td></td><td></td></tr><tr><td></td><td>Tel.</td><td colspan="2">+39 059 653274</td></tr><tr><td></td><td>Fax</td><td colspan="2">+39 059 653282</td></tr><tr><td>e-mail address of the competent person responsible for the Safety Data Sheet</td><td colspan="3">sds@giorgiobormac.com</td></tr><tr><td>Supplier:</td><td colspan="3">GIORGIO BORMAC srl</td></tr></table>			Name	GIORGIO BORMAC srl			Full address	via della meccanica, 25			District and Country	41012 Carpi		(MO)		Italia				Tel.	+39 059 653274			Fax	+39 059 653282		e-mail address of the competent person responsible for the Safety Data Sheet	sds@giorgiobormac.com			Supplier:	GIORGIO BORMAC srl		
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1.4. Emergency telephone number <table><tr><td>For urgent inquiries refer to</td><td>+44 121 507 4123</td></tr></table>			For urgent inquiries refer to	+44 121 507 4123																														
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SECTION 2. Hazards identification																																		
2.1. Classification of the substance or mixture The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878. Hazard classification and indication: --																																		
2.2. Label elements Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements. Hazard pictograms: -- Signal words: -- Hazard statements: <table><tr><td>EUH210</td><td>Safety data sheet available on request.</td></tr><tr><td>EUH208</td><td>Contains: 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one May produce an allergic reaction.</td></tr></table> Precautionary statements: --			EUH210	Safety data sheet available on request.	EUH208	Contains: 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one May produce an allergic reaction.																												
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SECTION 2. Hazards identification ... / >>				
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:				
Identificationx = Conc. %Classification (EC) 1272/2008 (CLP)				
INERT				
INDEX95 ≤ x < 100				
EC				
CAS				
5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one				
INDEX613-167-00-50,00015 ≤ x < 0,001Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B				
EC				
CAS55965-84-9				
REACH Reg. 01-2120764691-48-XXXX				
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				
No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.				
In case of doubt or in the presence of symptoms contact a doctor and show him this document.				
In case of more severe symptoms, ask for immediate medical aid.				
EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.				
SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.				
INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.				
INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.				
Rescuer protection				
It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.				
4.2. Most important symptoms and effects, both acute and delayed				
Specific information on symptoms and effects caused by the product are unknown.				
DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.				
5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one				
Symptoms: gastrointestinal disorders, severe allergic reaction of the skin, bronchial spasm and anaphylactic shock, seriously corrosive and necrotizing the tissues.				
		EPY 11.7.2 - SDS 1004.14		

pH 7,00 - Green pH 7.00 buffer

SECTION 4. First aid measures ... / >>

Once. Enfiata corrosion of the mucous membranes. Annexa view. Nausea. Itchy. Dermatitis. Local irritation.

Risks: it can cause an allergic skin reaction. It causes serious eye injuries. It causes serious burns.

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

If symptoms occur, whether acute or delayed, consult a doctor.

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Treat symptomatically

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Dangerous combustion products:

Nitrogen oxides (NOX)

Magnesium oxides

Carbon dioxide (CO₂)

Carbon monoxide

Hydrochloric acid gas

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

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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				
Regulatory references:				
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58		
5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one				
Threshold Limit Value				
Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	mg/m3
				ppm
MAK	DEU	0,2	0,4	INHAL
Legend:				
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.				
8.2. Exposure controls				
Comply with the safety measures usually applied when handling chemical substances.				
HAND PROTECTION				
None required.				
SKIN PROTECTION				
None required.				
EYE PROTECTION				
None required.				
RESPIRATORY PROTECTION				
None required, unless indicated otherwise in the chemical risk assessment.				
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	Information		
Appearance	clear liquid			
Colour	green			
Odour	odourless			
Melting point / freezing point	not available	Reason	for missing data:	Not available
Initial boiling point	100 °C			
Flammability	not available	Reason	for missing data:	Not available
Lower explosive limit	not available	Reason	for missing data:	Not applicable
Upper explosive limit	not available	Reason	for missing data:	Not applicable
Flash point	not available	Reason	for missing data:	Not applicable
Auto-ignition temperature	not available	Reason	for missing data:	Not applicable
Decomposition temperature	not available	Reason	for missing data:	Not available
pH	7			
Kinematic viscosity	not available	Reason	for missing data:	Not available
EPY 11.7.2 - SDS 1004.14				

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pH 7,00 - Green pH 7.00 buffer				
SECTION 9. Physical and chemical properties ... / >>				
Solubility	soluble in water			
Partition coefficient: n-octanol/water	not available	Reason	for missing data:	Not available
Vapour pressure	not available	Reason	for missing data:	Not available
Density and/or relative density	1			
Relative vapour density	not available	Reason	for missing data:	Not available
Particle characteristics	not applicable			
9.2. Other information				
9.2.1. Information with regard to physical hazard classes				
Information not available				
9.2.2. Other safety characteristics				
Explosive properties	not explosive			
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				
5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one				
Nitrogen oxides, sulfur oxides, carbon oxides				
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				
5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one				
Symptoms:				
Gastrointestinal disturbs				
Severe allergic leather reaction, bronchial spasm and anaphylactic shock				
Seriously corrosive and necrotizing the tissues				
Outburst				
Enfiata corrosion of the mucous membranes				
Annexed view				
Nausea				
Itchy				
Dermatitis				
Local irritation				
Risks:				
It can cause an allergic skin reaction				
Causes serious eye injuries				
EPY 11.7.2 - SDS 1004.14				

pH 7,00 - Green pH 7.00 buffer

SECTION 11. Toxicological information ... / >>

Causes serious burns

Information on likely routes of exposure

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
Inhalation, contact with eyes, contact with the skin, engineer

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:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one	
LD50 (Dermal):	87 mg/kg STA coniglio Metodo: coniglio
LD50 (Oral):	64 mg/kg STA ratto Metodo:calcolo
LC50 (Inhalation mists/powders):	0,33 mg/l/4h STA ratto Atmosfera: polvere/nebbia. Metodo: calcolo.

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
Corrosive for the rabbit.
Corrosivo, category 1C -when exposure reactions between 1 and 4 hours and observation times up to 14 days

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
It can cause irreversible damage to the eyes - rabbit.

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Skin sensitization

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
The product is a sensitivity of the skin, subcategory 1A.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
Animal testing did not reveal any carcinogenic effects

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one
It does not contain ingredients included in the list of toxic products for reproduction

pH 7,00 - Green pH 7.00 buffer

SECTION 11. Toxicological information ... / >>

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

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

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

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

CL50 (Lepomis macrochirus (Bluegill fish-back)): 0.28 mg/l/96 h

Ce50 (active mud): 4.5 mg/l type of test: breathing inhibitor

Acute M factor: 100

Chronic M factor: 100

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

LC50 - for Fish

0,19 mg/l/96h Oncorhynchus mykiss (Tota iridea)

EC50 - for Crustacea

0,16 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

0,027 mg/l/72h Pseudokirkchneriella subcapitata

12.2. Persistence and degradability

5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one

Result: not immediately biodegradable.

Biodegradation: 30%

Exposure time: 28 D

12.3. Bioaccumulative potential

Information not available

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

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SECTION 13. Disposal considerations			
13.1. Waste treatment methods Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.			
SECTION 14. Transport information			
The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations. 14.1. UN number or ID number not applicable 14.2. UN proper shipping name not applicable 14.3. Transport hazard class(es) not applicable 14.4. Packing group not applicable 14.5. Environmental hazards not applicable 14.6. Special precautions for user not applicable 14.7. Maritime transport in bulk according to IMO instruments Information not relevant			
SECTION 15. Regulatory information			
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture <u>Seveso Category - Directive 2012/18/EU:</u> None <u>Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006</u> <u>Contained substance</u> <table> <tr> <td>Point</td> <td>75</td> </tr> </table> <u>Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors</u> 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 ≥ than 0,1%. <u>Substances subject to authorisation (Annex XIV REACH)</u> None <u>Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:</u> None <u>Substances subject to the Rotterdam Convention:</u> None		Point	75
Point	75		

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SECTION 15. Regulatory information ... / >>																																														
Substances subject to the Stockholm Convention: None Healthcare controls Information not available																																														
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: <table><tr><td>Acute Tox. 2</td><td>Acute toxicity, category 2</td></tr><tr><td>Acute Tox. 3</td><td>Acute toxicity, category 3</td></tr><tr><td>Skin Corr. 1C</td><td>Skin corrosion, category 1C</td></tr><tr><td>Skin Corr. 1</td><td>Skin corrosion, category 1</td></tr><tr><td>Eye Dam. 1</td><td>Serious eye damage, category 1</td></tr><tr><td>Eye Irrit. 2</td><td>Eye irritation, category 2</td></tr><tr><td>Skin Irrit. 2</td><td>Skin irritation, category 2</td></tr><tr><td>Skin Sens. 1A</td><td>Skin sensitization, category 1A</td></tr><tr><td>Aquatic Acute 1</td><td>Hazardous to the aquatic environment, acute toxicity, category 1</td></tr><tr><td>Aquatic Chronic 1</td><td>Hazardous to the aquatic environment, chronic toxicity, category 1</td></tr><tr><td>H310</td><td>Fatal in contact with skin.</td></tr><tr><td>H330</td><td>Fatal if inhaled.</td></tr><tr><td>H301</td><td>Toxic if swallowed.</td></tr><tr><td>H314</td><td>Causes severe skin burns and eye damage.</td></tr><tr><td>H318</td><td>Causes serious eye damage.</td></tr><tr><td>H319</td><td>Causes serious eye irritation.</td></tr><tr><td>H315</td><td>Causes skin irritation.</td></tr><tr><td>H317</td><td>May cause an allergic skin reaction.</td></tr><tr><td>H400</td><td>Very toxic to aquatic life.</td></tr><tr><td>H410</td><td>Very toxic to aquatic life with long lasting effects.</td></tr><tr><td>EUH071</td><td>Corrosive to the respiratory tract.</td></tr><tr><td>EUH210</td><td>Safety data sheet available on request.</td></tr></table>			Acute Tox. 2	Acute toxicity, category 2	Acute Tox. 3	Acute toxicity, category 3	Skin Corr. 1C	Skin corrosion, category 1C	Skin Corr. 1	Skin corrosion, category 1	Eye Dam. 1	Serious eye damage, category 1	Eye Irrit. 2	Eye irritation, category 2	Skin Irrit. 2	Skin irritation, category 2	Skin Sens. 1A	Skin sensitization, category 1A	Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1	Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1	H310	Fatal in contact with skin.	H330	Fatal if inhaled.	H301	Toxic if swallowed.	H314	Causes severe skin burns and eye damage.	H318	Causes serious eye damage.	H319	Causes serious eye irritation.	H315	Causes skin irritation.	H317	May cause an allergic skin reaction.	H400	Very toxic to aquatic life.	H410	Very toxic to aquatic life with long lasting effects.	EUH071	Corrosive to the respiratory tract.	EUH210	Safety data sheet available on request.
Acute Tox. 2	Acute toxicity, category 2																																													
Acute Tox. 3	Acute toxicity, category 3																																													
Skin Corr. 1C	Skin corrosion, category 1C																																													
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Eye Dam. 1	Serious eye damage, category 1																																													
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H330	Fatal if inhaled.																																													
H301	Toxic if swallowed.																																													
H314	Causes severe skin burns and eye damage.																																													
H318	Causes serious eye damage.																																													
H319	Causes serious eye irritation.																																													
H315	Causes skin irritation.																																													
H317	May cause an allergic skin reaction.																																													
H400	Very toxic to aquatic life.																																													
H410	Very toxic to aquatic life with long lasting effects.																																													
EUH071	Corrosive to the respiratory tract.																																													
EUH210	Safety data sheet available on request.																																													
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 - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - PMT: Persistent, mobile and toxic - 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 - vPvM: Very persistent and very mobile																																														
EPY 11.7.2 - SDS 1004.14																																														

pH 7,00 - Green pH 7.00 buffer

SECTION 16. Other information ... / >>

- 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)
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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)
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22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
24. Delegated Regulation (UE) 2023/1435 (XX 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 / 03 / 08.