

Information Sheet

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

1.1. Product identifier

Product name

POTABLE WATER TREATMENT - PWT

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

Intended use

Potable Water Treatment.

1.3. Details of the supplier of the Information Sheet

Name

UNIservice UNISAFE Srl

Full address

Via al Santuario di N.S. Guardia 58 a

District and Country

16162 Genova Bolzaneto (GE)

Italia

Tel. + 39 010 711395

Fax + 39 010 713120

e-mail address of the competent person

responsible for the information sheet

info@uniservicemarine.com

1.4. Emergency telephone number

For urgent inquiries refer to

First Aid Information: Osp. "Pediatrico Bambino Gesù" - Dip. Emergenza e Accettazione DEA - 00165 - Roma - Piazza Sant'Onofrio, 4 - PIC: Mr.: Marco Marano - Phone :06 68593726.

First Aid Information: Az. Osp. Univ. Foggia- Azienda Ospedaliera Universitaria riuniti, Foggia - V.le Luigi Pinto, 1- 71122 - PIC: Mrs.: Anna Lepre- phone.: 800183459.

First Aid Information: Az. Osp. "A. Cardarelli" -Servizio di Anestesia e rianimazione- Napoli, Via A. Cardarelli, 9- 80131- Phone: 081-5453333. PIC: Mr.: Romolo Villani.

First Aid Information: Policlinico "Umberto I" -PRGM tossicologia d'urgenza, Roma -

V.le del Policlinico, 155, cap 161- phone. 06-49978000- PIC: Mrs.: M. Caterina Grassi.

First Aid Information: Policlinico "A. Gemelli", Servizio di tossicologia clinica, Roma,

Largo Agostino Gemelli, 8- CAP: 168- phone: 06-3054343 - PIC: Mr.: Alessandro Barelli.

First Aid Information: Az. Osp. "Careggi" U.O. Tossicologia Medica- Firenze, via Largo

Brambilla, 3- CAP: 50134 -Phone: 055-7947819 -PIC: Mr.: Francesco Gambassi.

First Aid Information: Centro Nazionale di Informazione Tossicologica-IRCCS

Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione - Pavia, Via

Salvatore Maugeri, 10- CAP: 27100- Phone : 0382-24444 - PIC: Mr.: Carlo Locatelli.

First Aid Information: Osp. Niguarda Ca' Granda - Milano, Piazza Ospedale Maggiore,3-

CAP :20162- Phone: 02-66101029- PIC: Mrs.: Franca Davanzo.

First Aid Information: Azienda Ospedaliera Papa Giovanni XXII - Bergamo- Piazza OMS,

1 - CAP: 24127 -Phone: 800883300- PIC: Mr.: Bacis Giuseppe.

First Aid Information: Azienda Ospedaliera Integrata Verona, CAP: 37126 - Piazzale

Aristide Stefani, 1, CAP: 37126- Phone: 800011858- PIC: Mr.: Giorgio Ricci.

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) (and subsequent amendments and supplements).

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2.2. Label elements

Signal words: --

Precautionary statements: --

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

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

SECTION 4. 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.

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.

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

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

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

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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.

5.3. 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.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material information 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

Information not available

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	liquid	
Colour	clear	
Odour	odourless	
Melting point / freezing point	-1 °C	
Initial boiling point	100 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	

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Flash point	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	5,5 -7,5	
Kinematic viscosity	not available	
Dynamic viscosity	25 mPa.s	
Solubility	soluble	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	2000 kPa	
Density and/or relative density	1,05-1,10 Kg/lt	
Relative vapour density	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		
Information not available		
SECTION 10. Stability and reactivity		
10.1. Reactivity		
There are no particular risks of reaction with other substances in normal conditions of use.		
10.2. Chemical stability		
The product is stable in normal conditions of use and storage.		
10.3. Possibility of hazardous reactions		
No hazardous reactions are foreseeable in normal conditions of use and storage.		
10.4. Conditions to avoid		
None in particular. However the usual precautions used for chemical products should be respected.		
10.5. Incompatible materials		
Information not available		
10.6. Hazardous decomposition products		
Information not available		

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SECTION 11. Toxicological information		
According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.		
<u>Metabolism, toxicokinetics, mechanism of action and other information</u>		
Information not available		
<u>Information on likely routes of exposure</u>		
Information not available		
<u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u>		
Information not available		
<u>Interactive effects</u>		
Information not available		
<u>ACUTE TOXICITY</u> 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)
<u>SKIN CORROSION / IRRITATION</u>		
Does not meet the classification criteria for this hazard class		
<u>SERIOUS EYE DAMAGE / IRRITATION</u>		
Does not meet the classification criteria for this hazard class		
<u>RESPIRATORY OR SKIN SENSITISATION</u>		
Does not meet the classification criteria for this hazard class		
<u>GERM CELL MUTAGENICITY</u>		
Does not meet the classification criteria for this hazard class		
<u>CARCINOGENICITY</u>		
Does not meet the classification criteria for this hazard class		
<u>REPRODUCTIVE TOXICITY</u>		
Does not meet the classification criteria for this hazard class		
<u>STOT - SINGLE EXPOSURE</u>		
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

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

Information not available

12.2. Persistence and degradability

Information not available

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

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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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

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Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: None

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

None

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

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 not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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)

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- 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 - 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) 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	

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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 / 04 / 07.