

ECOPRISMA SRL

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ULTRAW1 – Water for trace analysis

## 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	ULTRAW1
Denominazione	Water for trace analysis
No. CAS	7732-18-5
1.2. Relevant identified uses of the substance or mixture and uses advised against Description/Use	Reagent for laboratory
1.3. Details of the supplier of the safety data sheet Company name	Ecoprisma srl
Address	Via portella della ginestra 6/8 59100 Prato Italy +39 0574660845
e-mail of the competent person responsible for the safety data sheet	crm@ecoprisma.it
Supplier:	Ecoprisma srl
1.4. Emergency telephone number For urgent inquiries please contact Poison control centers (24/24h):	Poison control centers (24/24h Italy): +39 02-6610-1029 (Centro Antiveneni Niguarda Ca' Granda - Milano) Pavia - 038224444; Milano - 0266101029; Bergamo - 800883300; Verona - 800011858; Firenze - 0557947819; Roma - Gemelli 063054343; Roma - Umberto I 0649978000; Roma - Bambino Gesù 0668593726; Napoli - 0815453333; Foggia - 800183459.

### SECTION 2. Hazards identification

#### 2.1. Substance or mixture classification

The product is not classified as dangerous in accordance with the provisions of Regulation (EC) 1272/2008 (CLP).

Hazard classification and indications: --

#### 2.2. Label elements

Pictograms of -- danger: --

Warnings: --

Indications of danger: --

Precautionary statements: --

#### 2.3. Other dangers

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

The product does not contain substances having endocrine disrupting properties in concentration  $\geq 0.1\%$ .

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**SECTION 3. Composition/information on ingredients****3.1. Substance**

Substance Name: Water

Molecular formula: H<sub>2</sub>O

Molecular Weight: 18.02g/mol

CAS-No.: 7732-18-5

EU REACH Registration No.: In accordance with the provisions of Article 2(7)a and Annex IV of the REACH regulation, the substance is exempt from registration.

EC No: 231-791-2 ATE, SCL and/or multiplication factor

(multiplication factor M): nobody/no one

**3.2. Mixture**

Not applicable

Contains:

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities such as to require the declaration

The full text of the hazard statements (H) is given in Section 16 of the factsheet.

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

Not specifically needed. In any case, compliance with the rules of good industrial hygiene is recommended.

**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**

The product is not flammable and does not feed flames.

**5.1. Fire fighting****SUITABLE EXTINGUISHING MEANS**

The extinguishing means are the traditional ones: carbon dioxide, foam, powder and nebulized water.

**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**

Avoid breathing combustion products.

**5.3. Recommendations for firefighters****GENERAL INFORMATION**

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially dangerous to health. Always wear full fire protection gear. Collect extinguishing water which must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to the regulations in force.

**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

Not specifically needed

### 6.2. Environmental precautions

Not specifically needed

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

Not specifically needed

### 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

### 7.1. Precautions for Safe Handling

Handle the product after consulting all sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use.

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

Keep product in clearly labeled containers. Store containers away from any incompatible materials, checking section 10.

### 7.3. Particular end uses

Information not available

## SECTION 8. Exposure controls/personal protection

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Normative requirements:  
TLV-ACGIH

It does not contain substances beyond the concentration limits foreseen for occupational exposure.

VND = hazard identified but no DNEL/PNEC available; NEA = No expected exposure; NPI = No hazards identified; LOW = pericolo basso ; MED = pericolo medio ; HIGH = pericolo alto.

#### 8.2. Exposure controls

The product is not classified as hazardous in accordance with the provisions of Annex I, Part 3 of Regulation (EC) 1272/2008 (CLP) and as such would not require specific measures for exposure control. However, as a precautionary measure, the following measures are provided.

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

#### HAND PROTECTION

If prolonged contact with the product is foreseen, it is advisable to protect your hands with penetration-resistant work gloves (ref. EN 374 standard).

For the final choice of the material of the work gloves, the process of use of the product and any additional products deriving from it must also be evaluated. It is also recalled that latex gloves can give rise to sensitization phenomena.

#### SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use category I (ref. Directive 89/686/EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

#### EYE PROTECTION

use appropriate eye protection

#### RESPIRATORY PROTECTION

The use of respiratory protection means is necessary if the technical measures taken are not sufficient to limit the exposure of the worker to the threshold values taken into account. The protection offered by masks is however limited. If the substance in question is odourless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. EN 137) or an external air intake respirator (ref. EN 138). For the correct choice of respiratory protective equipment, refer to EN 529.

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## ENVIRONMENTAL EXPOSURE CONTROLS

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

## SECTION 9. Physical and chemical properties

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

Property	Value
Physical state	clear liquid
Color	colorless
Smell	odorless
Melting or freezing point	0 °C
Initial boiling point	100 °C
Inflammability	non-flammable
Lower explosive limit	not applicable
Upper explosive limit	not applicable
Flash point	unavailable
Auto-ignition temperature	not applicable
Decomposition temperature	unavailable
pH	5-9 (20°C)
Kinematic viscosity	unavailable
Solubility	in the water
Partition coefficient: n-octanol/water:	unavailable
Vapour pressure	23hPa (20°C)
Density and/or Relative Density	1 g/cm <sup>3</sup> (4°C)
Relative vapour density	unavailable
Particle characteristics	not applicable

### 9.2. Other information

#### 9.2.1. Information relating to physical hazard classes

Information not available

#### 9.2.2. Other security features

Explosive properties no

## SECTION 10. Stability and responsiveness

In the absence of information on the mixture, literature information on the components is reported. This information is not characteristic of the solution but of the hazardous components.

### 10.1. Reactivity

There are no particular hazards 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, no hazardous reactions are foreseeable.

### 10.4. Conditions to be avoided

None in particular. However, follow the usual cautions with regard to chemicals.

### 10.5. Incompatible materials

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Information not available

**10.6. Hazardous decomposition products**

Information not available

**SECTION 11. Toxicological information**

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria provided for by the reference legislation for classification.

Therefore, consider the concentration of any individual hazardous substances mentioned in section 3 to assess the toxicological effects of exposure to the product.

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no relevant component)

LD50 (Oral) of the mixture: Not classified (no relevant component)

LD50 (Dermal) of the mixture: Not classified (no relevant component)

CORROSIONE CUTANEA / IRRITAZIONE CUTANEA

Does not meet the classification criteria for this hazard class

SEVERE EYE DAMAGE / EYE IRRITATIO

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

Skin sensitization

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

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

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Does not meet the classification criteria for this hazard class

**PERICOLO IN CASO DI ASPIRAZIONE**

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 effects on human health under evaluation.

**SECTION 12. Ecological information**

Use according to good working practices, avoiding dispersing the product in the environment. Notify the competent authorities if the product has reached watercourses or if it has contaminated the soil or vegetation.

**12.1. Toxicity mixture**

Information not available

**12.2. Persistence and degradability**

Information not available

**12.3. Bioaccumulation potential**

Information not available

**12.4. Mobility in soil**

Information not available

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

Based on the available data, the product does not contain PBT or vPvB substances at a rate  $\geq$  to 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 under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal Considerations****13.1. Waste treatment methods**

Reuse, if possible. Residues of the product as such are to be considered non-hazardous special waste.  
Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local legislation.  
CONTAMINATED PACKAGING  
Contaminated packaging must be sent for recovery or disposal in accordance with national waste management rules.

**SECTION 14. Transport information**

The product is not to be considered dangerous under the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

**14.1. UN Number or ID Number**

not applicable

**14.2. Official UN transport designation**

not applicable

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**14.3. Transport hazard classes**

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

not applicable

**14.6. Special precautions for users**

not applicable

**14.7. Sea transport in bulk in accordance with IMO acts**

Irrelevant information

**SECTION 15. Regulatory information****15.1. Health, safety and environmental laws and regulations specific to the substance or mixture**

Category Seveso - Directive 2012/18/EU: None

Restrictions on the product or substances contained in accordance with Annex XVII Regulation (EC) 1907/2006

Substances

Point 75

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

not applicable

Substances on the Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances at a rate  $\geq$  to 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

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

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health Checks

Information not available

**15.2. Chemical safety assessment**

A chemical safety assessment has not been prepared for the mixture/substances listed in section 3.

**SECTION 16. Other information**

Text of the hazard statements (H) referred to in Sections 2 to 3 of the factsheet:

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Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Skin Corr. 1C	Skin corrosion, category 1C
Skin Sens. 1A	Skin sensitisation, 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	Lethal in contact with skin.
H330	Lethal if inhaled.
H301	Toxic if swallowed.
H314	It causes severe skin burns and severe eye damage.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic organisms with long-lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

## LEGEND:

- EC50: Concentration that gives effect to 50% of the test population
- EmS: Emergency Schedule
- GHS: Global Harmonized System for Classification and Labelling of Chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulations
- IC50: Immobilization concentration of 50% of the tested population IMDG: Codice marittimo internazionale per il trasporto delle merci pericolose
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Level of occupational exposure
- PBT: Persistent, bioaccumulative 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: Regulations for the International Carriage of Dangerous Goods by Rail
- STA: Acute Toxicity Estimate - TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative 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 (All. 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)

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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)
  22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Edition

- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Banca dati di modelli di SDS di sostanze chimiche - Ministero della Salute e Istituto Superiore di Sanità

**Note to user:**

The information contained in this sheet is based on the knowledge available to us at 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 under his own responsibility the laws and regulations in force regarding hygiene and safety. They do not assume responsibility for improper use. Provide appropriate training to personnel involved in the use of chemicals.

**METHODS OF CALCULATION OF CLASSIFICATION**

**Chemical-physical hazards:** The classification of the product has been derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for assessing the physico-chemical properties are given in section 9.

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

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