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

1.1 Product identifier

Identification of the substance
Advanced Water S-100

Registration number (REACH)
the substance is exempted from the obligation to register - tonnage

EC number
231-791-2

CAS number
7732-18-5

Other means of identification
INCI name
WATER AND MINERAL SALTS

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

Relevant identified uses
SU3 : industrial uses: uses of substances as such or in preparations at industrial sites
PC39 : cosmetics, personal care products medical device

1.3 Details of the supplier of the safety data sheet

ADWATIS SA
Boucle de Cydalise 1
2300 LA CHAUX DE FONDS Switzerland

Telephone: +41 32 968 89 14
e-mail: info@adwatis.com

1.4 Emergency telephone number

Emergency information service

Australia : 13 11 26
Austria : +43 1 31304 5620;
Belgium : +32022649636;
Bulgaria : +359 2 9154 409;
Croatia : +38514686917;
Cyprus : +35722405611;
Czech republic tel : +420267082257;
Denmark : +45 72 54 40 00;
Estonia : +3726943884;
Finland : +358 5052 000;
France : +33 3 83 85 21 92;
Germany : +49-30-18412-0;
Greece : +302106479250, +302106479450;
Hungary : +36 1 476 6464;
Iceland : +354 543 22 22;
Ireland : +35318092566;
Italy : +390649906140;
Latvia : +371 67032600;
Lithuania : +370 70662008;
Luxembourg : +352 24785551;
Malta : +356 2395 2000;
Netherlands : +31 88 75 585 61;
New zealand : 0800 764 766 or 0800 611 116;
Norway : +4573580500;
Poland : +48 42 2538 400;
Portugal : +351213303271;
Romania : +40213183606;
Slovakia : +421 2 5465 2307;
Slovenia : +38614006051;
Spain : +34 917689800;
Sweden : +46104566750;
United kingdom : +44 121 507 4123;
USA : 1-800-222-1222.
SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (CLP)
This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 (CLP)
not required

2.3 Other hazards
No data available on the corrosion potential of metals.

SECTION 3: Composition/information on ingredients

3.1 Substances
Name of substance: Advanced Water S-100
EC number: 231-791-2
CAS number: 7732-18-5
Composition/information on ingredients
Contains mineral salts: ≤ 0.3 %.

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Identifier</th>
<th>Wt%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>CAS No 7631-86-9</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>Potassium</td>
<td>CAS No 7440-09-7</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>CAS No 7723-14-0</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>Magnesium</td>
<td>CAS No 7439-95-4</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>Calcium</td>
<td>CAS No 7440-70-2</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>sodium chloride</td>
<td>CAS No 7647-14-5</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General notes
No hazard identified.
Following inhalation
None.
Following skin contact
None.
Following eye contact
None.
Following ingestion
None.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed
none
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)
Unsuitable extinguishing media
water jet

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products
none

5.3 Advice for firefighters
Non-combustible.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Wipe up with absorbent material (e.g. cloth, fleece).

6.2 Environmental precautions
Not required.

6.3 Methods and material for containment and cleaning up
Advises on how to clean up a spill
Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Recommendations
• Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation.
Advice on general occupational hygiene
Do not eat, drink and smoke in work areas.

7.2 Conditions for safe storage, including any incompatibilities
Managing of associated risks
Incompatible substances or mixtures
Observe hints for combined storage.

7.3 Specific end use(s)
See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
National limit values
Occupational exposure limit values (Workplace Exposure Limits)
No information available.

8.2 Exposure controls
Appropriate engineering controls
General ventilation.
Individual protection measures (personal protective equipment)

Eye/face protection
None.

Skin protection
None.

Respiratory protection
None.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Physical state: liquid
Colour: colourless
Odour: odourless

Other physical and chemical parameters
pH (value): 12
Melting point/freezing point: not determined
Initial boiling point and boiling range: 100 °C
Flash point: not relevant
Evaporation rate: not determined
Flammability (solid, gas): not relevant (fluid)
Explosive limits: not determined
Vapour pressure: not determined
Density: 1 g/cm³
Solubility(ies): miscible in any proportion
Partition coefficient:
n-octanol/water (log KOW): This information is not available.
Auto-ignition temperature: not determined
Viscosity: not determined
Explosive properties: none
Oxidising properties: none
Substance or mixture corrosive to metals: non-corrosive to metals
(Corrosion tests of a solution on steel and aluminum according to the paragraph 37 of the UN Tests and Criteria manual, 6th edition)

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability
See below "Conditions to avoid".

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
There are no specific conditions known which have to be avoided.
Physical stresses which might result in a hazardous situation and have to be avoided
strong shocks
10.5 Incompatible materials
oxidisers
Release of flammable materials with
light metals (due to the release of hydrogen in an acid/alkaline medium)

10.6 Hazardous decomposition products
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and
heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification according to GHS (ST/SG/AC.10/30/Rev.6, GHS)
This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity
Shall not be classified as acutely toxic.

Skin corrosion/irritation
Shall not be classified as corrosive/irritant to skin.

• Classification procedure
Alkaline reserve = 0.11g / 100g (Young's method).
The product IONIZED DEOXIDIZED WATER S-100 - Réf. MPR10015516 - Lot : 160229 has a very
good skin compatibility.

Serious eye damage/eye irritation
Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation
Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties
Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)
Shall not be classified as a specific target organ toxicant.

Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity
Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability
Data are not available.

12.3 Bioaccumulative potential
Data are not available.

12.4 Mobility in soil
Data are not available.

12.5 Results of PBT and vPvB assessment
Data are not available.

12.6 Other adverse effects
Data are not available.
**SECTION 13: Disposal considerations**

13.1 Waste treatment methods

**Sewage disposal-relevant information**
Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Relevant provisions relating to waste**

**Properties of waste which render it hazardous**
not assigned

**Remarks**
Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information**

14.1 UN number
(not subject to transport regulations)

14.2 UN proper shipping name
not relevant

14.3 Transport hazard class(es)
Class -

14.4 Packing group
not relevant

14.5 Environmental hazards
none (non-environmentally hazardous acc. to the dangerous goods regulations)

14.6 Special precautions for user
There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations**

- **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**
  Not subject to ADR, RID and ADN.
- **International Maritime Dangerous Goods Code (IMDG)**
  Not subject to IMDG.
- **International Civil Aviation Organization (ICAO-IATA/DGR)**
  Not subject to ICAO-IATA.

14.8 Remarks
Non-corrosive to metals. (Corrosion tests of a solution on steel and aluminum according to the paragraph 37 of the UN Tests and Criteria manual, 6th edition).

**SECTION 15: Regulatory information**

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

15.2 Chemical Safety Assessment
No Chemical Safety Assessment has been carried out for this substance.
## Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CLP</td>
<td>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>DGR</td>
<td>Dangerous Goods Regulations (see IATA/DGR)</td>
</tr>
<tr>
<td>GHS</td>
<td>&quot;Globally Harmonized System of Classification and Labelling of Chemicals&quot; developed by the United Nations</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IATA/DGR</td>
<td>Dangerous Goods Regulations (DGR) for the air transport (IATA)</td>
</tr>
<tr>
<td>ICAO</td>
<td>International Civil Aviation Organization</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>INCI</td>
<td>International Nomenclature of Cosmetic Ingredients</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships (abbr. of &quot;Marine Pollutant&quot;)</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation, Authorisation and Restriction of Chemicals</td>
</tr>
<tr>
<td>RID</td>
<td>Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

### Key literature references and sources for data
- Supplier
- ECHA (echa.europa.eu/fr)

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

**Disclaimer**

This document has been prepared in compliance with the Regulation (EU) 453/2010 of the Commission of 20 May 2010 and the classification has been carried out in compliance with the Regulation (EC) 1272/2008 of the Parliament and the Council of 16 December 2008, from available data on the substance (s) or the mixture concerned by this document at its release date.

Information mentioned in this document is intended to ensure, safety on handling, use, processing, storage, transport, and placing on the market of the substance or the mixture. This information may not be valid, if the substance or the mixture concerned by this document is used for another usage than the one mentioned in section 1 of this document. The recipient of this safety data sheet remains responsible for its transmission within the downstream supply chain.