



# Distilled Water

## (GPC9023)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name	Distilled Water
Product code	VM1279
CAS No.	7732-18-5
EC No.	231-791-2

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

Identified Use(s)	Industrial/professional : PC21 Laboratory chemicals
Uses Advised Against	Not known.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer

Company Identification	Atom Scientific Ltd
Address of Manufacturer	Unit 2A East Tame Business Park Rexcine Way Hyde Cheshire
Postal code	SK14 4GX
Telephone:	0161 3665123
Fax	01704 337167
E-mail	technical@atomscientific.com
Office hours	08:00 - 17:00

##### Supplier

Company Identification	Atom Scientific Ltd
Address of Supplier	Unit 2A East Tame Business Park Rexcine Way Hyde Cheshire
Postal code	SK14 4GX
Telephone:	0161 3665123
Fax	01704 337167
E-mail	technical@atomscientific.com
Office hours	08:00 - 17:00

#### 1.4 Emergency telephone number

Emergency Phone No.	07833453806
Contact	Peter Keenan
National response centre	
Address	NHS Direct
Emergency Phone No.	+44 111



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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 Not a hazardous substance or mixture

#### 2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567  
Not a hazardous substance or mixture

#### 2.3 Other hazards

None known.

#### 2.4 Additional Information

For full text of H/P Statements see section 16.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Water	7732-18-5	231-791-2	100	Not classified.	None

For full text of H/P Statements see section 16.

#### 3.2 Mixtures

Not applicable.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation Treat symptomatically.  
Skin Contact Treat symptomatically.  
Eye Contact Treat symptomatically.  
Ingestion Treat symptomatically.

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

The most important known symptoms and effects are described in section 11.

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

Treat symptomatically.



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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

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

None.

#### 5.3 Advice for firefighters

As appropriate for surrounding fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

See Section 8

#### 6.2 Environmental precautions

None.

#### 6.3 Methods and material for containment and cleaning up

No special measures required.

#### 6.4 Reference to other sections

See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

None.

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

Store tightly closed.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

#### 7.3 Specific end use(s)

Industrial/professional : PC21 Laboratory chemicals



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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### 8.1.1 Occupational Exposure Limits

No occupational exposure limits assigned.

Region	Source
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark	Notes

#### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Not required



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid.
	Colour : Colourless.
Odour	Odourless.
Odour threshold	Not known.
pH	6-8 at 25°C
Melting point/freezing point	0 °C
Initial boiling point and boiling range	100 °C
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.



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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	1.0 g/cm <sup>3</sup> at 20 ° C
Relative density	1
Solubility(ies)	Solubility (Water) : Completely miscible. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (° C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.
<b>9.2 Other information</b>	None.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

None anticipated.

#### 10.2 Chemical Stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Violent reactions possible with: The generally known reaction partners of water.

#### 10.4 Conditions to avoid

Incompatible materials

#### 10.5 Incompatible materials

Incompatible materials

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.



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Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

### 11.2 Other information

100 percent of the mixture consists of ingredient(s) of unknown toxicity

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity - Aquatic invertebrates	Not classified.
Toxicity - Fish	Not classified.
Toxicity - Algae	Not classified.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

### 12.2 Persistence and degradability

Not known.

### 12.3 Bioaccumulative potential

Not known.

### 12.4 Mobility in soil

Not known.

### 12.5 Results of PBT and vPvB assessment

Not known.

### 12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Taking in to account local regulations the product may be disposed of as waste water after neutralisation.

### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.



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### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN No. -

#### 14.2 UN proper shipping name

UN proper shipping name Not dangerous goods

#### 14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class -

IMDG

IMDG Class -

Marine Pollutant No

ICAO/IATA

IATA Proper Shipping Name Not dangerous goods

#### 14.4 Packing group

Packing group -

#### 14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

#### 14.6 Special precautions for user

Special precautions for user Not known.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

### SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Not listed

Substances of Very High Concern for  
Authorisation

UK REACH Authorisation List (Annex Not listed

XIV) list of substances subject to  
authorisation

UK REACH Restrictions List (Annex Not listed

XVII) Restrictions on the manufacture,  
placing on the market and use of certain  
dangerous substances, mixtures and  
articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106) as  
amended

The Ozone-Depleting Substances and Not listed  
Fluorinated Greenhouse Gases



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(Amendment etc.) (EU Exit) Regulations  
2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and  
import of hazardous chemicals  
SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan Not listed  
(CoRAP)

### 15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE : Acute Toxicity Estimate  
 CAS : Chemical Abstracts Service  
 DNEL : Derived No Effect Level  
 EC : European Community  
 EINECS : European Inventory of Existing Commercial Chemical Substances  
 IATA : International Air Transport Association  
 IBC : Intermediate Bulk Container  
 ICAO : International Civil Aviation Organization  
 IMDG : International Maritime Dangerous Goods  
 LTEL : Long term exposure limit  
 PBT : Persistent, Bioaccumulative and Toxic  
 PNEC : Predicted No Effect Concentration  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
 STEL : Short term exposure limit  
 STOT : Specific Target Organ Toxicity  
 UN : United Nations  
 vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

### Disclaimers

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