



## SAFETY DATA SHEET

### WATER

ANPEL Laboratory Technologies (Shanghai) Inc.

Chemwatch Hazard Alert Code: 0

Product Number: 4.000302

Version No: 6.1.1.1

Safety Data Sheet Authored according to GB/T16483 and GB/T17519

Revision Date: 01/01/2013

L.GHS.CHN.EN

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

##### Product Identifier

Product name	WATER
Chemical Name	water
Chemical English Name	water
Synonyms	124185, 1W001; 1W020; 1W021, 97019, 98989, Aquafina, Distilled water for Secondary Batteries, H <sub>2</sub> O, UltrexII Ultrapure, aqua, caustic soda liquid, demineralised water, dihydrogen oxide, distilled water, hydrogen oxide (H <sub>2</sub> O)
Proper shipping name	Not Applicable
Chemical formula	H <sub>2</sub> O
Other means of identification	Not Available
CAS number	7732-18-5

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

Relevant identified uses	Suspending agent, solvent, diluent, carbonated beverages, hydration tile processing, paper coatings, moderator in nuclear reactors, debarking logs, filtration, industrial coolant, washing, sulfur mining, hydrolysis, Portland cement, hydraulic systems, power source, steam generation, food industry, source of hydrogen by electrolysis and thermochemical decomposition. Distilled water for use in secondary batteries in critical applications is required to meet AS 2668-1983
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##### Details of the manufacturer/importer

Registered company name	ANPEL Laboratory Technologies (Shanghai) Inc.		
Address	No.260 Pu Ting Road, Song Jiang District, Shanghai China		
Telephone	021-54890099		
Fax	021-54248311		
Website	www.anpel.com.cn		
Email	shanpel@anpel.com.cn		

##### Emergency telephone number

Association / Organisation	Not Available		
Emergency telephone numbers	021-57818692		
Other emergency telephone numbers	021-57818692		

#### SECTION 2 HAZARDS IDENTIFICATION

##### Classification of the substance or mixture

##### SUMMARY OF HAZARD IN AN EMERGENCY SITUATION

	Liquid. Mixes with water.
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GHS Classification	Not Applicable
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##### Label elements

GHS label elements	Not Applicable
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## WATER

SIGNAL WORD	<b>NOT APPLICABLE</b>
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**Hazard statement(s)**

Not Applicable

**Precautionary statement(s) Prevention**

Not Applicable

**Precautionary statement(s) Response**

Not Applicable

**Precautionary statement(s) Storage**

Not Applicable

**Precautionary statement(s) Disposal**

Not Applicable

**Physical and Chemical Hazard**

	Liquid. Mixes with water. Vapours/gas heavier than air.
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**Health Hazards**

<b>Inhaled</b>	▶ Generally not applicable.
<b>Ingestion</b>	▶ Generally not applicable.
<b>Skin Contact</b>	▶ Generally not applicable.
<b>Eye</b>	▶ Generally not applicable.
<b>Chronic</b>	Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.  Prolonged skin contact may cause skin reactions and susceptibility to skin infections.

**Environmental Hazards**

	See Section 12
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**Other hazards**

Not Applicable

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Substances**

CAS No	%[weight]	Name	GHS Classification
7732-18-5	100	<a href="#">water</a>	Not Applicable

**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

**Mixtures**

### SECTION 4 FIRST AID MEASURES

**Description of first aid measures**

<b>Eye Contact</b>	▶ Generally not applicable.
<b>Skin Contact</b>	▶ Generally not applicable.
<b>Inhalation</b>	▶ Generally not applicable.
<b>Ingestion</b>	▶ Generally not applicable.

**Advise for rescue team (PPE requirement for rescue personnel)**

	Clean up all spills immediately.
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**Indication of any immediate medical attention and special treatment needed**

	Treat symptomatically.
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### SECTION 5 FIREFIGHTING MEASURES

**Extinguishing media**

	▶ Generally not applicable.
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**Special hazards arising from the substrate or mixture**

<b>Fire Incompatibility</b>	None known.
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## WATER

### Advice for firefighters

<b>Fire Fighting</b>	▶ Generally not applicable.
<b>Fire/Explosion Hazard</b>	▶ Generally not applicable.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

<b>Minor Spills</b>	Clean up all spills immediately.
<b>Major Spills</b>	Clean up all spills immediately.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

#### Measures for Preventing Secondary Contamination

Refer to section above

#### Environmental precautions

See section 12

### SECTION 7 HANDLING AND STORAGE

#### Precautions for safe handling

<b>Safe handling</b>	▶ Generally not applicable.  Avoid prolonged skin contact.
<b>Other information</b>	<ul style="list-style-type: none"> <li>▶ Store in original containers.</li> <li>▶ Keep containers securely sealed.</li> <li>▶ Store in a cool, dry, well-ventilated area.</li> <li>▶ Store away from incompatible materials and foodstuff containers.</li> <li>▶ Protect containers against physical damage and check regularly for leaks.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this MSDS.</li> </ul>

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

<b>Suitable container</b>	<ul style="list-style-type: none"> <li>▶ Polyethylene or polypropylene container.</li> <li>▶ Packing as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul>
<b>Storage incompatibility</b>	None known

#### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Not Available

#### EMERGENCY LIMITS


Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
WATER		Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
water	Not Available	Not Available

#### MATERIAL DATA

No exposure limits set by NOHSC or ACGIH

#### Exposure controls

<b>Appropriate engineering controls</b>	▶ Generally not applicable.
<b>Personal protection</b>	
<b>Eye and face protection</b>	▶ Generally not applicable.
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	▶ Generally not applicable.
<b>Body protection</b>	See Other protection below

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## WATER

Other protection	► Generally not applicable.
Thermal hazards	Not Available

## Recommended material(s)

## GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

WATER

Material	CPI
BUTYL	A
NEOPRENE	A
VITON	A
NATURAL RUBBER	C
PVA	C

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Respiratory protection

Not Applicable

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

Appearance	Colourless, odourless, tasteless liquid. Polar liquid. Allotropic forms are ice and steam. Viscosity @ 20 deg. C. is 0.01002 poise.		
Physical state	Liquid	Relative density (Water = 1)	1.000 @ 3.9 degC
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	7	Decomposition temperature	Not Applicable
Melting point / freezing point (°C)	0	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	18.02
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Slow	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	100
Vapour pressure (kPa)	2.33 @ 20 degC.	Gas group	Not Available
Solubility in water (g/L)	Mixes	pH as a solution(1%)	7
Vapour density (Air = 1)	>1	VOC g/L	Not Available

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

water	TOXICITY	IRRITATION
	Not Available	Not Available

\* Value obtained from manufacturer's msds  
unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances

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## WATER

<b>WATER</b>	No significant acute toxicological data identified in literature search.
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<b>Acute Toxicity</b>	⊖	<b>Carcinogenicity</b>	⊖
<b>Skin Irritation/Corrosion</b>	⊖	<b>Reproductivity</b>	⊖
<b>Serious Eye Damage/Irritation</b>	⊖	<b>STOT - Single Exposure</b>	⊖
<b>Respiratory or Skin sensitisation</b>	⊖	<b>STOT - Repeated Exposure</b>	⊖
<b>Mutagenicity</b>	⊖	<b>Aspiration Hazard</b>	⊖

**Legend:** ✔ – Data required to make classification available  
✘ – Data available but does not fill the criteria for classification  
⊖ – Data Not Available to make classification

**CMR STATUS**

Not Applicable

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

NOT AVAILABLE

Ingredient	Endpoint	Test Duration	Effect	Value	Species	BCF
water	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

**Persistence and degradability**

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	LOW	LOW

**Bioaccumulative potential**

Ingredient	Bioaccumulation
Not Available	LOW (LogKOW = -1.38)

**Mobility in soil**

Ingredient	Mobility
Not Available	LOW (KOC = 14.3)

**Other adverse effects**

No data available

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Waste chemicals:</b>	▶ Generally not applicable.
<b>Contaminated packing materials:</b>	Refer to section above
<b>Precautions for Transport:</b>	Refer to section above

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

<b>Marine Pollutant</b>	NO
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Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Inland waterways transport (ADNR / River Rhine): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

<b>UN number</b>	Not Available
<b>Packing group</b>	Not Available
<b>UN proper shipping name</b>	Not Available
<b>Environmental hazard</b>	No relevant data
<b>Transport hazard class(es)</b>	Not Available   Not Applicable

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## WATER

<b>Special precautions for user</b>	Classification code	Not Available
	Limited quantity	Not Available
	Equipment required	Not Available
	Fire cones number	Not Available

### Precautions for Transport

### Suitable Containers

See section 7

## SECTION 15 REGULATORY INFORMATION

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

water(7732-18-5) is found on the following regulatory lists	"China Inventory of Existing Chemical Substances"
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## SECTION 16 OTHER INFORMATION

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:  
[www.chemwatch.net/references](http://www.chemwatch.net/references)

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
 PC – STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit,  
 IDLH: Immediately Dangerous to Life or Health Concentrations  
 OSF: Odour Safety Factor  
 NOAEL :No Observed Adverse Effect Level  
 LOAEL: Lowest Observed Adverse Effect Level  
 TLV: Threshold Limit Value  
 LOD: Limit Of Detection  
 OTV: Odour Threshold Value  
 BCF: BioConcentration Factors  
 BEI: Biological Exposure Index

### Disclaimer

The information in the SDS applies only for the specified product and does not include mixtures of this product with other substances and mixtures. The SDS provides product safety information for personnel trained to use this product only.

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