

**Material Safety data sheet  
(C10000)  
Conductivity Calibration C10000 Solution**

Version number 1.1 – 2025

Revision Date 03/04/2025

<b>1- IDENTIFICATION</b>	
<b>1.1 Product Identifier</b>	
Use of the substance/ preparation	Solution for the calibration of conductivity instrumentation.
Chemical Characteristics	Aqueous Solution containing inorganic components
Product Code	C10000
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against.</b>	
Product Use	Calibration of conductivity instruments, laboratory chemicals, manufacture of substances, scientific research R&D
<b>1.3 Details of the Supplier of the safety data sheet</b>	
<b>Company Address</b>	Automated Water & Effluent Ltd AWE House Antom Court Tollgate Drive Beaconside Stafford ST16 3AF
<b>Telephone</b>	Tel: 01785 254 597
<b>Fax</b>	Email: <a href="mailto:office@awe-ltd.co.uk">office@awe-ltd.co.uk</a>
<b>Email</b>	Web: <a href="http://www.awe-ltd.co.uk">www.awe-ltd.co.uk</a>
<b>Website</b>	
<b>Medical Advice:</b>	National Poisons Information Service
<b>NPIS</b>	<a href="http://www.npis.org">www.npis.org</a>
<b>Emergency Phone (UK)</b>	Tel. 111 (UK)
<b>Emergency (Northern Ireland):</b>	Please contact your local GP Out of hours: <a href="http://www.gpoutofhours.hscni.net">www.gpoutofhours.hscni.net</a>
<b>Emergency Republic of Ireland:</b>	Tel. National Poisons Information Centre on 01 809 2166

<b>2 – HAZARDS IDENTIFICATION</b>	
<b>2.1 Classification of the substance or mixture</b>	
2.1.1 Classification GB MCL List updated 17/02/2025	Not a hazardous substance or mixture NFPA Ratings (Scale 0-4) Health = 1 Flammability = 0 Reactivity = 0 Special = 0

	<p>HMIS Ratings (Scale 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe)          Health = 1          Flammability = 0          Reactivity = 0          Prot. Equipment = A          (Safety Glasses/ Nitrile Gloves or similar)          WHMIS - None</p>
2.1.2 Classification GB CLP: (EC) No 1272/2008 (CLP)	<p>According to GB CLP and EC directive GB CLP:          (EC) 1272/2008 (CLP):          This product contains no elements listed as hazardous to health.</p>
<b>2.2 Label Elements</b>	
Hazard Pictograms	None
Signal Word	None
Hazard Statement	None

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

#### GB MCL List updated and published 17/02/2025

Chemical Name	Cas No.	Weight	Classification	Concentration
C1000 Solution	7732-18-5	N/A	N/A	75 – 80%%
C1000 Solution	7447-40-7	N/A	N/A	20 – 25%%

### 4 – FIRST AID MEASURES

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, seek medical attention.
Skin Contact	Wash affected areas thoroughly with soap and water for at least 15 minutes. Get medical attention if necessary.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes; remove contact lenses if present and easy to do so. Persist washing of eye until eye irritation ceases.
Ingestion	Drink plenty of water. Do not induce vomiting without medical advice. Get medical attention if necessary.
General Information	If you feel unwell, seek medical advice and show this document where possible.

### 5 – Fire Fighting Measures

<b>5.1 Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to the product; local circumstances and the surrounding environment.
<b>5.2 Specific Hazards</b>	The product is not flammable.

<b>5.3 Advice for fire fighters</b>	Wear suitable respiratory equipment where necessary.
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<b>6 – ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal Precautions</b>	Use personal protective equipment as required. Keep unnecessary people away; isolate hazard area and deny entry. Restrict access to area until completion of the clean-up. Ensure clean-up is conducted by trained personnel only.
<b>6.2 Environmental Precautions</b>	Do not allow to enter sewers/ surface or ground water.
<b>6.3 Methods for cleaning up</b>	Absorb spill with inert material (eg. Vermiculite, sand or earth), then place in suitable container.

<b>7 – HANDLING &amp; STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. No special precautions required.
<b>7.2 Precautions for safe storage including any incompatibilities</b>	Store in a cool, dry place. Store in original container. Keep away from children.
<b><u>Precautionary Statement – Prevention:</u></b> <b><u>P261</u></b> <b><u>P280</u></b>	Avoid breathing dust/fumes/gas/mist/vapours/spray Wear protective gloves/ protective clothing/ eye protection/ face protection. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
<b><u>Precautionary Statement – Response:</u></b> <b><u>P302</u></b>  <b><u>P305+P351+P338:</u></b>	P304 IF INHALED – remove victim to fresh air and keep at rest, in a position comfortable for breathing. Get medical help if unwell.  P305 IF IN EYES – rinse cautiously with water for several minutes. Remove contact lenses, if present, and continue to rinse. Get medical advise if eye irritation persists.

<b>8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>		
8.1 Control Parameters		
8.1.1 Exposure Limit Values		
<b>Title</b>	Long Term (8hr TWA)	Short Term (15 minute period STEL)
CAS No. 7447-40-7	N/A	N/A
CAS No. 7732-18-5	N/A	N/A
ppm	N/A	N/A
Mg/M <sup>3</sup>	N/A	N/A

<b>8.2 Exposure Controls</b>	
Appropriate Engineering Controls	<p>Handle in accordance with good industrial hygiene and safety practice. Avoid formation of dust. Ensure adequate ventilation of the working area.</p> <p>Keep away from foodstuffs, beverages and food. Immediately remove all soiled and contaminated clothing.</p> <p>Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.</p> <p>Respiratory protection: Use adequate ventilation to keep any airborne concentrations low.</p>
<p><b>Eye / Face Protection</b> Standard EN 166 (EU)</p> <p><b>Skin / Hand Protection</b> Standard EN 374 (EU)</p> <p><b>Clothing</b></p> <p><b>Respirators</b> Standard EN 143 (EU)</p>	<p>Wear appropriate protective eyeglasses or chemical safety goggles. (Contact lenses are not eye protective devices.)</p> <p>Wear chemically protective gloves, boots and aprons, to prevent prolonged or repeated contact.</p> <p>Handle in accordance with good industrial hygiene and safety practice. Contaminated clothes must be separated from everyday/work clothes. Launder before reuse. Remove the product from your shoes and clean personal protective equipment. Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.</p> <p>Where Risk Assessment states, use protective face mask, respirator or breathing apparatus for protection from vapour / mist/ dust.</p>

<b>9 – PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
Form	Liquid
Colour	As specified
pH range	No Data available
Melting Point °C	No Data available
Boiling Point °C	100°C
Relative density g/cm <sup>3</sup>	1 Kg/ L
Chemical formula	Not disclosed for commercial reasons
Molecular weight g/mol	No Data available
Water Solubility	Completely miscible

<b>10 – STABILITY &amp; REACTIVITY</b>	
Reactivity	Slight crystallisation may occur, if stored for long periods in a dry environment, which may be readily absorbed in water.

Chemical stability	Stable under recommended conditions
Possibility of hazardous reactions	No Data available
Conditions to avoid	Acids; Halogens; Metals
Incompatible materials	No Data available
Hazardous decomposition products	Thermal decomposition will produce Chlorine

#### 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	No Data available
Germ cell mutagenicity	No Data available
Carcinogenicity	No Data available
Reproductive toxicity	No Data available
Toxicological information	Oral Rat LD50 mg/kg: None available
Further information	The product contains no substances classified as hazardous to health in concentrations which should be taken into account, according to current directives from GBCLP.

#### 12 – ECOLOGICAL INFORMATION

Persistence / degradability	The product contains no substances known to be hazardous to the environment or not degradable in a wastewater treatment plant.
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#### 13 – DISPOSAL CONSIDERATIONS

Waste from residues / unused products	Dispose of in accordance with local regulations.
Disposal Methods for contaminated packaging	Clean out the container with water, after use, and clean, empty containers should be taken to local recyclers for disposal.

#### 14 – TRANSPORT INFORMATION CONSIDERATIONS

Not classified as dangerous in the meaning of transport regulations.	
ARD/RID	
1.1 UN Number	
ADR/RID: IMDG	
IATA	
14.2 UN Proper shipping name:	
14.3 Transport hazard class(es): N/A	
14.4 Packing Group:	
14.5: Environmental hazards	
ADR/RID: no	
IMDG Marine pollutant: no	
IATA: no	

#### 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations according to 1907/2006/EC, Article 31	
Regulations	Labelling according to Regulation GB CLP/ EC No. 1272/2008 Water hazard class: Water hazard class 1 (slightly hazardous for water) Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

<b>16 – OTHER INFORMATION</b>	
Recommended use	For industrial and laboratory applications only.
Text of risk phrases in Section 3	N/A
Text of hazard phrases in Section 3	N/A

*The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. Automated Water & Effluent Ltd., AWE Instruments and AWE Direct, or any other subsidiary will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment.*