

Product Name: **CONDUCTIVITY SOLUTIONS**

Issue Date: 23 November 2016  
Revision Date: 04 December 2016

## Section 1. Product and Company Identification

**GHS Product Identifier:** CONDUCTIVITY SOLUTION **Product Code:** PS-CONxxx (see specifics below)

**Manufacturer:** Perth Scientific Pty Ltd  
2/11 Narloo Street  
Malaga, West Australia 6090 **Volumes:** Various; 1 – 5,000mL

**Additional Information:** Business Hours: 0830 – 1630Hrs Monday to Friday +61 08 6240 5600  
Emergency: Call National Poisons Information Centre: 13 11 26

**Recommended use of the chemical:** Laboratory reagent

Other Names:	Name	Product Code	Name	Product Code
	Conductivity 20µS/cm	PS-CON20	Conductivity 5.0mS/cm	PS-CON5.0
	Conductivity 50µS/cm	PS-CON54	Conductivity 7.0mS/cm	PS-CON7.0
	Conductivity 84µS/cm	PS-CON84	Conductivity 10.0mS/cm	PS-CON10.0
	Conductivity 100µS/cm	PS-CON100	Conductivity 12,880µS/cm	PS-CON12880
	Conductivity 150µS/cm	PS-CON150	Conductivity 12.88mS/cm	PS-CON12.88
	Conductivity 200µS/cm	PS-CON200	Conductivity 54,400µS/cm	PS-CON54.4
	Conductivity 500µS/cm	PS-CON500	Conductivity 54.4mS/cm	PS-CON54.4
	Conductivity 1,000µS/cm	PS-CON1000	Conductivity 80.0mS/cm	PS-CON80.0
	Conductivity 1,413µS/cm	PS-CON1413	Conductivity 80,000µS/cm	PS-CON80.0
	Conductivity 2,764µS/cm	PS-CON2764	Conductivity 111,900µS/cm	PS-CON111.9
	Conductivity 2.76ms/cm	PS-CON2.76	Conductivity 111.9mS/cm	PS-CON111.9
	Conductivity 3.0mS/cm	PS-CON3.0		

**Recommended Use of the chemical:** Conductivity Standards are Analytical Reagents for calibrating conductivity meters

**Additional Information:** Business hours: 0830 to 1630 Hrs, Monday to Friday  
Telephone +61 8 9209 3955  
Emergency Telephone Number: National Poison Information Centre 13 11 26

## Section 2. Hazards Identification

**GHS Classification:** Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**Hazard Statements:** Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**Other Hazards:** No information available

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## Section 3. Composition and Information on Ingredients

Component	CAS #	% by Weight
1 Potassium Chloride	7447-40-7	See Product Descriptions
2. Water	7732-18-5	To 100%

## Section 4. First Aid Measure. Product and Company Identification

<b>General Advice:</b>	In case of accident or being unwell, seek medical advice immediately
<b>Swallowed:</b>	If conscious wash out mouth with water. Seek medical advice. Show this MSDS to medical practitioner.
<b>Eye:</b>	Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this MSDS to medical practitioner.
<b>Skin:</b>	Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this MSDS to medical practitioner. Launder clothing before reuse.
<b>Inhaled:</b>	Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this MSDS to a doctor.

## Section 5. Fire Fighting Measures

<b>Suitable Extinguishing Media:</b>	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
<b>Hazards ex Combustion Products</b>	Solution will not burn or support combustion.
<b>Precautions for Fire Fighters and Special Protective Equipment:</b>	Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-mask.

## Section 6. Accidental Release Measures

<b>Emergency Procedures:</b>	Prevent from entering waterways. Restrict access to area. Ventilate area.
<b>Methods and materials for containment and clean up:</b>	Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

## Section 7. Handling and Storage

<b>Precautions for Safe Handling:</b>	Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.
<b>Conditions for Safe Storage:</b>	Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

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## Section 8. Exposure Controls / Personal Protection

<b>National Exposure Standards:</b>	None known.
<b>Biological Limit Values:</b>	No data available.
<b>Engineering Controls:</b>	Not required with normal use.
<b>Personal Protective Equipment (PPE):</b>	The use of nitrile or neoprene gloves complying with AS 2161 and the use of face-shield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear Liquid
<b>Odour:</b>	Nil
<b>pH:</b>	7
<b>Boiling Point (°C):</b>	100
<b>Freezing/Melting Point:</b>	Not Applicable
<b>Vapour Pressure (mm of Hg @ 25°C)</b>	Not Applicable
<b>Vapour Density:</b>	Not Applicable
<b>Specific Gravity:</b>	>1 <2
<b>Flash Point (°C):</b>	Not Flammable
<b>Flammability Limits (%):</b>	Not Flammable
<b>Solubility in Water (g/L):</b>	Soluble

## Section 10. Stability and Reactivity

<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Excessive heat.
<b>Incompatible Materials:</b>	Nil
<b>Hazardous Decomposition Products:</b>	Refer to section 5 (Fire Fighting Measures).
<b>Hazardous Reactions:</b>	Hazardous polymerisation will not occur.

## Section 11. Toxicology Information

<b>Health Effects:</b>	
<b>Swallowed:</b>	May be irritating to tissue. Ingestion may cause vomiting, cramps, diarrhoea. Ingestion of large quantities may cause heart condition due to high potassium level.
<b>Eye:</b>	Irritating to eye tissue.
<b>Skin:</b>	May be irritating to skin tissue.
<b>Inhaled:</b>	May be irritating to respiratory

## Section 12. Ecological Information

<b>Ecotoxicity:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Mobility:</b>	No data available.

## Section 13. Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

## Section 14. Transport Information

<b>UN Number:</b>	Not Applicable
<b>UN Proper Shipping Name:</b>	Not Applicable
<b>Class and Subsidiary Risk(s):</b>	Not Applicable
<b>Packing Group:</b>	Not Applicable
<b>Hazchem Code:</b>	Not Applicable
<b>Special Precautions for User:</b>	None

## Section 15. Regulatory Information

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP): Nil

## Section 16. Other Information

### Disclaimer:

All information given by the Company is offered in good faith and is believed to the best of our knowledge to be accurate. However this information is offered without warranty representation inducement or licence and the Company does not assume legal responsibility for reliance upon the same.

Every person dealing with the materials referred to herein does so at his or her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

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