



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

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Deionised Water

PART NUMBER	AVAILABLE SIZE
CT-DI-20L	20L Drum

PRODUCT DESCRIPTION

Chemtools® Deionised Water (also known as Demineralised Water) is produced using specialised ion exchange filtration equipment to achieve high quality Type III water deionisation. This method guarantees purer filtration and ensures that the water becomes free of salts, metals, trace elements, and micro-particles.

Deionised Water can be used anywhere that scale build-up and other deposits must be avoided, or where water purity is essential, such as for the dissolution of drugs in medicines.

Other uses of Deionised Water include:

- Preparation of chemical solutions and mixtures
- Preparation of electrolytes for acid and alkaline batteries
- Dilution of concentrated anti-freeze
- Final rinsing of printed circuit boards, and other tools and equipment after technological operations in the electronics industry
- Refilling car window washers, and topping up or flushing car cooling systems
- Domestic steam producing devices, such as irons or coffee machines, where scale build-up naturally occurs
- Hair products, cosmetics, and perfume manufacturing

PURIFICATION ANALYSIS – TYPICAL RESULTS

SAMPLE DETAILS: 001 R4500235858 C2		RESULTS	UNITS	SITE
Chemtools Purified Water in Containers	Conductivity	1.1	µS/cm	NSW
	Heavy Metals	< 0.1	ppm	NSW
	Nitrates	< 0.2	ppm	NSW
	Aluminium (2.4.17)	< 10	ppb	NSW
	Appearance	Complies	-	NSW
	Acidity or Alkalinity	Complies	-	NSW
	Oxidisable Substances	The solution remains fairly pink.	-	NSW
	Chlorides	Complies. The solution shows no change in appearance for at least 15 min.	-	NSW



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	Sulfates	Complies. The solution shows no change in appearance for at least 15 min.	-	NSW
	Ammonium	< 0.2	ppm	NSW
	Calcium and Magnesium	A pure blue colour is produced.	-	NSW
	Residue on Evaporation	0.0009	% (w/w)	NSW

FIRST AID & SAFETY PRECAUTIONS

None required for this product.

DISCLAIMER

Chemtools® has made every effort to ensure the information provided in this Technical Data Sheet is accurate at the time of publication. Chemtools® expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.

FURTHER INFORMATION

Please visit Chemtools® online at www.chemtools.com.au for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.