TECHNICAL DATA SHEET (TDS)

DEIONISED WATER (DEMINERALISED WATER)

Product Identification

Product Name:
Deionised Water (Demineralised Water)

Other Names:

- DI Water
- DM Water
- Purified Water
- Battery Water
- High Purity Water

Supplier:
Acemate Pty Ltd Trading as Bauly Chemicals
ABN 34 133 894 112
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Website: www.bauly.com.au

Product Description

Bauly Chemicals Deionised Water (Demineralised Water) is a high-purity water product with extremely low levels of dissolved minerals, salts and metallic contaminants.
Produced through advanced water purification processes, this product is designed for industrial, automotive, manufacturing and technical applications where water quality is critical.
In Australia, the terms Deionised Water and Demineralised Water are commonly used interchangeably and refer to purified water with very low conductivity and dissolved solids.

Key Benefits

✓ Ultra-low conductivity
✓ Low dissolved solids (TDS)
✓ Consistent product quality
✓ Suitable for demanding industrial applications
✓ Minimises scale formation and mineral deposits
✓ Reduces contamination in manufacturing processes

✓ Reliable quality for coolant and chemical blending
✓ Available in drums, IBCs and bulk quantities

Typical Physical Properties

Property	Typical Value
Appearance	Clear, colourless liquid
Odour	Odourless
pH	Approximately 5.5 – 7.0
Relative Density @ 20°C	Approximately 1.0
Conductivity @ 25°C	Approximately 1 µS/cm
Total Dissolved Solids (TDS)	<10 mg/L
Boiling Point	Approximately 100°C
Freezing Point	Approximately 0°C
Water Solubility	Completely miscible

Note: Values shown are typical results and should not be regarded as a specification.

Product Quality

Each batch is manufactured and controlled to deliver consistently high purity water suitable for industrial and technical applications.
Typical laboratory analysis indicates:

Typical Water Quality

Test Parameter	Typical Result
Conductivity @ 25°C	~1 µS/cm
Total Dissolved Solids	<10 mg/L
Mineral Content	Extremely Low
Appearance	Clear
Odour	Nil

Applications

Coolant Manufacturing & Coolant Mixing

Suitable for:

- Automotive coolant blending
- Heavy-duty diesel coolants
- Glycol-based coolant concentrates
- Industrial heat transfer fluids

The use of deionised water helps minimise mineral deposits and scaling within cooling systems.

AdBlue® / Diesel Exhaust Fluid Manufacturing
Suitable for:

- AdBlue® manufacturing
- DEF blending
- Urea solution preparation
- SCR-related fluid production

The low conductivity and extremely low mineral content make it suitable for applications requiring high water purity.

Chemical Manufacturing
Suitable for:

- Chemical blending
- Product formulation
- Process water
- Manufacturing applications
- Industrial production processes

Consistent water quality assists in maintaining product quality and manufacturing reliability.

Battery Applications
Suitable for:

- Lead-acid battery maintenance
- Battery filling
- Battery manufacturing
- Workshop applications

Low dissolved solids help minimise unwanted contamination.

Equipment Cleaning & Final Rinse
Suitable for:

- Industrial cleaning
- Spot-free rinsing
- Equipment washdown
- Laboratory glassware rinsing
- Manufacturing equipment cleaning

Laboratory Applications
Suitable for:

- Sample preparation
- Laboratory cleaning
- Testing facilities
- General laboratory use

Users should verify suitability for specific analytical requirements.

Packaging Options

Bauly Chemicals can supply:

Packaging	Typical Use
20 L Drum	Workshops & laboratories
210 L Drum	Industrial users
1000 L IBC	Manufacturing & blending

Custom supply arrangements may be available upon request.

Storage

Store in clean, sealed containers.
Recommended container materials include:

- HDPE
- Polyethylene
- Polypropylene
- Stainless Steel

Protect product from contamination during storage and handling.

Shelf Life

When stored correctly in sealed containers under clean conditions:
Recommended shelf life: 24 months
Product quality may be affected if contamination occurs during storage or use.

Safety Information

This product is not classified as hazardous according to Safe Work Australia criteria. Refer to the latest Safety Data Sheet (SDS) for detailed safety, handling and storage information.

Typical Industries Served

- Automotive
- Transport & Logistics
- Coolant Manufacturers
- Chemical Manufacturers
- AdBlue® Producers
- Agricultural Industry
- Water Treatment Companies
- Industrial Maintenance Providers
- Manufacturing Facilities
- Research Laboratories

Why Choose Bauly Chemicals?

Reliable Victorian Supply
Fast deliveries throughout Melbourne and Victoria.

Consistent High Purity
Typical conductivity of approximately 1 µS/cm.

Flexible Packaging
Available from 20L drums through to 1000L deliveries.

Industrial Expertise
Supporting manufacturers, transport operators and industrial customers across Australia.

Ordering Information

For pricing, technical information, product availability or bulk supply enquiries:
Acemate Pty Ltd trading as Bauly Chemicals
supply@bauly.com.au
www.bauly.com.au

Disclaimer

The information contained in this Technical Data Sheet is believed to be accurate at the time of publication and is provided for guidance only. Typical values are provided for information purposes and do not constitute a specification. Users should determine the suitability of the product for their intended application. Product performance may vary depending on storage conditions, handling practices and application requirements.