

RECYCLED WATER INFORMATION SHEET

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name

Class B Recycled Water - **BUNDAMBA**

Other Names

Treated Wastewater, Reclaimed Water.

Approved Uses

1. Dust Suppression;
2. Road Works, including sub-grade moisture correction; and
3. Open Space Irrigation (excluding active sporting surfaces) and landscape irrigation where adequate buffer zones exist between the site and neighbouring properties or sensitive receptors.

In addition to any general recommendations given for control of risks to human and environmental health, an assessment of risks must be made on a site-by-site basis to determine controls appropriate to local circumstances.

Prohibited Uses

- Not suitable for use at domestic and commercial properties in built-up areas;
- Not suitable for water features or fountains;
- Not suitable for above ground open space irrigation with uncontrolled access;
- Not suitable for irrigating food crops;
- Not suitable for stock watering;
- Not suitable for use in open industrial systems with potential for moderate or high human contact (i.e. wash-down of equipment, carwash or quarry where aerosol generation is constant);
- Not suitable for fire fighting; and
- Not suitable for hard surface wash-down in commercial or industrial context.

Supplier Name

Ipswich City Council (ICC)

ABN

61 461 981 077

Company Mailing Address

PO Box 191

Ipswich Queensland 4305

Emergency Telephone Number

07 3810 6666

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature

The product and mists and aerosols (spray) from this product are classified as non-hazardous according to the criteria of the National Occupational Health and Safety Committee (NOHSC - Worksafe Australia).

This product is not a dangerous good according to the Australian Dangerous Goods Code.

Risk Phrases

- R22 Harmful if swallowed.
R20 Harmful by inhalation.
R58 May cause long-term adverse effects in the environment.

Safety Phrases

- S13 Keep away from food drink and animal feeding stuffs.
S20/21 When using, do not eat, drink or smoke.
S23 Do not breathe spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with the eyes, rinse immediately with plenty of potable water.
S28 After contact with skin, wash immediately with plenty of potable water.
S36/37 Wear suitable protective clothing and gloves.
S61/29 Avoid release to the environment, do not empty into drains.
S64 If swallowed, rinse mouth with water.

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SECTION 3 - COMPOSITION

This product:

- may contain a variety of living pathogenic micro-organisms and parasites, including viruses, bacteria, protozoa and helminths;
- contains nutrients nitrogen and phosphorus (refer to section 9 for more detail); and
- may contain measurable concentrations of dissolved metals, salts and organic material (refer to section 9 for more detail).

SECTION 4 - FIRST AID MEASURES

Skin

Remove contaminated clothing and immediately wash affected skin thoroughly with potable water.

Eye

Flush eye immediately with plenty of potable water.

Ingestion

If swallowed, rinse mouth with water. If any abdominal symptoms occur, seek medical advice.

Advice to a Doctor

Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Specific Hazards

Nil.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions

Do not breathe spray or aerosols. Avoid contact with skin, eyes and clothing.

Personal Protection

Wear suitable protective clothing and gloves.

Environmental Precautions

Prevent overspray, ponding and run-off.

Prevent from spreading or entering into drains, ditches, creeks or rivers.

Report apparent environmental harm to Environmental Protection Agency and Ipswich Water.

SECTION 7- HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. In addition to any specific recommendations given for controls of risks to health, safety and the environment, an assessment of risks must be made to help determine controls appropriate to local circumstances.

Storage

Use properly labeled and lockable storage tanks. Where recycled water is stored for more than 72 hours, disinfection with a chlorine disinfectant should be maintained as follows:

1. Free Chlorine Residual between 0.3 and 0.7 mg/l
2. pH 7.0 - 8.0
3. A suitable mixer or pump (with optional filter) should be installed to adequately mix the chlorinated recycled water prior to use.

Storage Temperature

Ambient.

Product Transfer

Avoid splash filling or leakage.

Other Information

Never siphon by mouth.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

The National Occupational Health and Safety Commission (NOHSC) [Worksafe Australia] has not assigned a National Occupational Exposure Limit to this specific product.

Exposure Controls

Use exclusion zones if there is a risk of inhalation of mists or aerosols (spray).

Avoid overspray, ponding or run-off in use of product.

Hand Protection

PVC gloves.

Eye Protection

Wear safety glasses or full-face shield if splashes are likely to occur.

Body Protection

Minimize all forms of skin contact. Long sleeves, trousers and shoes should be worn. Launder garments and undergarments regularly.

Environmental Exposure Controls

Prevent overspray, ponding or run-off. Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colour

Clear

Physical State

Liquid at ambient temperature

Odour

None

Quality Data

Table 1 – Class B Recycled Water - Bundamba Quality Characteristics ¹

Parameter	Units	Specification	Results	No. of Samples
E. coli	cfu/100mL	<100	2	85
Biological Oxygen Demand	mg/L	<20	2	17
Suspended Solids	mg/L	<30	4	17
Total Dissolved Solids	mg/L	<1000	633	17
Turbidity	NTU	<10	2.0	17
pH	pH units	6.0 - 8.5	7.1 - 7.7 (range)	17
Total Chlorine Residual	mg/L	>0.2	1.3	17

¹ Recycled water quality characteristics are taken from the third quarter of 2006/2007 and are median values unless otherwise stated. A complete list of analytes can be obtained from Ipswich Water upon request.

SECTION 10 - STABILITY AND REACTIVITY

Stability

Stable (subject to Section 7 - Storage requirements)

SECTION 11 - TOXICOLOGICAL INFORMATION

Basis for Assessment

Toxicological data has not been determined specifically for this product.

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SECTION 12 - ECOLOGICAL INFORMATION

Basis for Assessment

Eco-toxicological data has not been determined specifically for this product. Information given is based on knowledge of the components and the eco-toxicology of similar products.

Eco-toxicity

Expected to be non-toxic to algae, fish, aquatic invertebrates and microorganisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

Precautions

Refer to Section 7 before handling the product or containers.

Product / Waste Disposal

Recycle or dispose of in accordance with prevailing regulations. Do not dispose to stormwater system. A trade waste approval will be required for disposal to sewer - contact the local Council.

SECTION 14 - TRANSPORT INFORMATION

This product is not classified as a Dangerous Good in accordance with the Australian Dangerous Goods (ADG) Code for transport by road or rail.

SECTION 15 - REGULATORY INFORMATION

National Legislation

- List of Designated Hazardous Substances [NOHSC:10005].
- Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment.
- [NOHSC:1003].
- Australian Dangerous Goods Code.

SECTION 16 - OTHER INFORMATION

References

For detailed advice on recycled water use and management controls refer to:

- Queensland Water Recycling Guidelines (EPA 2005).

For detailed advice on Personal Protective Equipment (PPE), refer to the following Australian Standards:

- HB 9 (Handbook 9) Manual of industrial personal protection.
- AS/NZS 1337 Eye protectors for industrial applications.
- AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.
- AS/NZS 1716 Respiratory protective devices.

Further Information

The information contained in this Recycled Water Information Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of Ipswich City Council, it is the responsibility of the user to determine the conditions of safe use of this product. Please consult the relevant legislation, regulations and guidelines governing the use and storage of this type of product.

IPSWICH WATER

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