



fit for purpose

Recycled Water Information Sheet

SECTION 1 IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Bundamba

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)
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

Prohibited Uses

Not suitable for:

- use at domestic and commercial properties in built-up areas
- water features or fountains
- above ground open space irrigation with uncontrolled access
- irrigating food crops
- stock watering
- use in open industrial systems with potential for moderate or high human contact (ie wash down of equipment, car wash or quarry where aerosol generation is constant)
- fire fighting
- hard surface wash down in commercial or industrial context



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.

Supplier Ipswich City Council

ABN 61 461 981 077

Address PO Box 191, Ipswich Qld 4305

Emergency Phone (07) 3810 6666

Recycled Water Information Sheet

SECTION 2 HAZARDS IDENTIFICATION

Statement of Hazardous Nature

The product, as well as mists and aerosols (spray) from this product, is classified as non-hazardous according to the criteria of the NOHSC (National Occupational Health and Safety Committee) - 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 to 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 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

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
- 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 runoff. Prevent from spreading or entering into drains, ditches, creeks or rivers. Report apparent environmental harm to the EPA (Environmental Protection Agency) and Ipswich Water.

Bundamba

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 0.7mg/L
2. pH 7.0 to 8.0
3. A suitable mixer 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.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The 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. Avoid overspray, ponding or runoff 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 Minimise 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 runoff. 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

Class B Recycled Water

Bundamba Quality Characteristics

Parameter	Units	Specification
E. coli	cfu/100mL	<100
Biological Oxygen Demand	mg/L	<20
Suspended Solids	mg/L	<30
Total Dissolved Solids	mg/L	<1000
pH	pH units	6.0 - 8.5
Total Chlorine Residual	mg/L	>0.2

SECTION 10 STABILITY AND REACTIVITY

Stability Stable (subject to Section 7).

SECTION 11 TOXICOLOGICAL INFORMATION

Basis for Assessment Toxicological data has not been determined specifically for this product.



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 micro-organisms.

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.

SECTION 14 TRANSPORT INFORMATION

This product is not classified as a Dangerous Good in accordance with the Australian Dangerous Goods 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

Further Information *The information contained in this Recycled Water Information Sheet is believed to be true and correct as at the date of issue. The accuracy or completeness of this information and any suggestions are without warranty or guarantee. 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.*

SECTION 16 OTHER INFORMATION

References For detailed advice about recycled water use and management controls refer to the Queensland Public Health Regulation 2005, Schedule 3D and 3E.

Personal Protective Equipment

For detailed advice about Personal Protective Equipment 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

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