

# Safety Data Sheet



## Section 1: Company and Product Identification

**Chemical Nature:** Water solution of benzalkonium chloride and other ingredients.

**Product Name:** **3 Ways Disinfectant**

**Product Use:** Disinfectant, detergent, cleaner for hard surface cleaning.

**Company:** J.T.Dixon Pty. Ltd.

19-21 Holmes Street, North Geelong, VIC 3215

Telephone: 03 5278 6644 Facsimile: 03 5277 0526

Web: [www.jtdixon.com.au](http://www.jtdixon.com.au)

Email: [info@jtdixon.com.au](mailto:info@jtdixon.com.au)

**Emergency Response:** Poisons Information Centre: Phone 131126 (Australia)

## Section 2: Hazards Identification

GHS05

GHS07

GHS09

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**Hazard Pictograms:**



### Statement of Hazardous Nature

This product is classified as: N, Dangerous to the environment. Classified as hazardous according to the criteria of SWA. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**SUSMP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good according to (ADG) Code, IATA OR IMDG/IMSBC criteria.

**UN Number:** None allocated

**GHS Signal Word:** DANGER

**Hazard Category:**  
Acute tox, oral Cat 5  
Skin corrosion/irritation Cat 2  
Serious eye damage/eye irritation Cat 1  
Hazard to aquatic environment, acute Cat 3

**Hazard Statements:**  
H303: May be harmful if swallowed  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H402: Harmful to aquatic life

**Precautionary Statements:**  
P102: Keep out of reach of children  
P264: Wash thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection

**Response:**  
P310: Immediately call a POISON CENTER phone 131126 (Australia)  
P302: IF ON SKIN: wash with plenty of water  
P362: Take off contaminated clothing and wash before reuse  
P301: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P305: IF IN EYES: Rinse cautiously with water for several minutes

**Disposal:** If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

**This product becomes non-hazardous when diluted to 1 in 8 (12.5%) or more with water.**

**Section 3: Composition / Information on Ingredients**

| Ingredients                               | CAS No     | Conc, % | TWA / STEL (mg/m <sup>3</sup> ) |
|---|------------|---------|---------------------------------|
| Benzalkonium chloride                     | 63449-41-2 | < 5     | not set                         |
| 2-Butoxyethanol                           | 111-76-2   | < 5     | not set                         |
| Nonionic detergent                        | secret     | <5      | not set                         |
| Water and other non hazardous ingredients | 7732-18-5  | to 100  | not set                         |

**Section 4: First Aid Measures**

**General Info:** You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 131 126 from anywhere in Australia and is available at all times. Have this SDS with you when you call.

**Exposure symptoms:** May cause drowsiness or dizziness. Headache, nausea, or vomiting may occur if appreciable quantities are ingested - seek medical attention immediately.

**If ingested:** Rinse mouth. Seek immediate medical attention.

**If inhaled:** Remove to fresh air. Obtain medical attention if asthma-like symptoms or other symptoms develop.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

**Skin contact:** Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical advice if irritation develops or persists.

**Additional Info:** Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop.

**Section 5: Fire Fighting Measures**

**General Info:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both) , fire glasses. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

**Extinguishing Method /** Not combustible. Use extinguishing media suited to burning materials.

**Equipment:**

**Hazardous Decomposition** Only small quantities of decomposition products are expected from this product at  
**Info:** temperatures normally achieved in a fire.this will only occur after heating to dryness.

**Section 6: Accidental Release Measures**

**Accidental Release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles.

**Containment Equipment and Procedures:** Large Spills: Contain actively spilling material if safe and easy to do so. Dike the spilled material, where this is possible. Utilize absorbent clay or sand to contain and stop spreading material.  
Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles.

**Cleanup Procedures:** Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. Ensure legality of disposal by consulting regulations prior to disposal.

**Section 7: Handling and Storage**

**Safe Handling Precautions:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Recommendations for Storage:** Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use.

## Section 8: Exposure Control / Personal Protection

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**General / Engineering SWA Exposure Limits** **TWA (mg/m<sup>3</sup>)** **STEL (mg/m<sup>3</sup>)**

**Controls:** Exposure limits have not been established by SWA for any of the significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities.

**Work Clothing:** We suggest that protective clothing be made from the following materials: rubber, PVC. Occupational Protective Clothing: AS/NZS 4501 set 2008.

**Eye/face protection:** Wear safety goggles or face shield. Industrial Eye Protection: AS1336 and AS/NZS 1337.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. Protective Gloves: AS 2161, Occupational Protective Footwear: AS/NZS2210.

**Respiratory Protection:** Usually, No respirator is necessary when using this product. However, If you have any doubts consult the Australian Standards. Otherwise, not normally necessary.

**Additional Information:** Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product.

## Section 9: Physical and Chemical Properties

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|  |                                       |  |
|--|---------------------------------------|--|
| <b>Physical Description:</b> Liquid    | <b>Melting Point:</b> Not avail       | <b>Freezing Point:</b> Not avail               |
| <b>Colour:</b> Green                   | <b>Boiling Point:</b> 100°C @ 100kPa. | <b>pH:</b> 6 - 7                               |
| <b>Sp Grav:</b> 1.0                    | <b>Odor:</b> Pine Fragrance           | <b>Water Solubility:</b> Soluble in water      |
| <b>Evaporation rate:</b> As for water. | <b>Flash Point:</b> Not applicable    | <b>Part. Coeff(n-octanol/water):</b> Not avail |

## Section 10: Stability and Reactivity

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**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Incompatible materials:** Oxidising agents and anionic detergents..

**Decomposition products:** Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

**Polymerisation** This product will not undergo polymerisation reactions.

## Section 11: Toxicological Information

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**Target Organs:** There is no data to hand indicating any particular target organs.

### Classification of Hazardous Ingredients

#### Ingredient

Benzalkonium Chloride

- Acute toxicity - category 4
- Acute toxicity - category 4
- Skin corrosion - category 1B
- Hazardous to the aquatic environment (acute) - category 1

2-Butoxyethanol

Skin irritation and eye irritation. Harmful if swallowed, If inhaled and in contact with skin.

**Risk Phrases :** No risk phrases at concentrations found in this product

**Inhalation:** Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

**Skin Contact:** Product may be irritating, but is unlikely to cause anything more than mild transient

**Eye Contact:** This product is believed to be irritating to eyes and may cause damage if contact is

**Ingestion:** Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has

**Carcinogen Status: SWA:** No significant ingredient.

**NTP:** No significant ingredient.

**IARC:** No significant ingredient.

## Section 12: Ecological Information

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**Aquatic toxicity:** Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

**Fish:** LC<sub>50</sub> 96 hr zebra fish (Brachydanio rerio): 1-10mg/L

**Bacteria:** EC<sub>50</sub> 17mg/L (OECD 209)

## Section 13: Disposal Information

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**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

## Section 14: Transport Information

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**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15: Regulatory Information

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**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Benzalkonium Chloride, is mentioned in the SUSMP.

## Section 16: Other Information

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**SDS Author:** Greg SDS Author

**Version Date:** 1/12/2016

This SDS is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue. All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since J.T.DIXON cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application. J.T.DIXON will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State, Territory legislation.

End of SDS