

# Safety Data Sheet Disinfecting Solution

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Disinfecting Solution

**Recommended Use:** Anti Bacterial, Anti Viral Spray and Wipe.

**Supplier:** Genesis Industrial Pty Ltd, 6 Ginger Street, Paget 4740 **Phone No:** 07 4999 9743

**Emergency Phone No - 13 11 26 – Poisons Information Centre**

## 2. HAZARDS IDENTIFICATION

**SIGNAL WORD :- NONE NON-HAZARDOUS**

### PREVENTION

P102: Keep out of reach of children.

### RESPONSE

P353: Rinse skin or shower with water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

### STORAGE

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Water	7732-18-5	>60% -	
Benzalkonium Chloride compound	63449-41-2	0-<10%	
Other ingredients below cut off			

## 4. FIRST AID MEASURES

**Poisons Information Centre: Phone 131 126**

**Swallowed:** If poisoning occurs, contact a doctor or Poisons Information Centre (Ph 131 126 Aust. wide). If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth with water. Never give anything by mouth to an unconscious person.

**Eye:** Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water.

Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Seek medical attention if irritation persists.

**Skin:** Remove any contaminated clothing and flush area with water. Seek medical attention in the event of irritation.

**Inhaled:** Risk of side-effects from inhalation is considered to be low, but if effects occur, remove patient to fresh air.

Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Call a doctor.

## 5. FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** Non Flammable

Fire decomposition products from this product are not expected to be hazardous or harmful.

**Fire extinguishing media:** Water spray or fog. Foam. Dry chemical powder. Carbon Dioxide.

**Fire Fighting PPE:** Wear breathing apparatus and protective gloves.

**Special fire fighting procedures:** None.

**Unusual fire hazards:** None.

**Hazardous products of combustion:** Thermal decomposition in a large fire may yield toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Clean up all spills immediately. Avoid contact with skin and eyes. Contain spill and mop up. Prevent contaminating waterways. Place in a suitable, labelled container for waste disposal.

For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## 7. HANDLING AND STORAGE

**Safety:** Keep out of reach of children. Do not mix with other chemicals.

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS 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.

**Storage:** Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards:** None assigned for this product.

**Engineering Controls:** Mechanical ventilation: Not required.

Personal Protection:

**Gloves** - Wear rubber gloves if prolonged skin contact is anticipated.

**Eye Protection** - Not normally required.

**Other** - Not required.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

**Personal Protection:**

Protective Material Types: We suggest that protective clothing be made from the following materials: Viton, nitrile, butyl rubber.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	clear blue liquid.
Odour	slight chemical
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Below 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	As for water.
Specific Gravity:	1.0
Water Solubility:	Completely soluble in water.
pH:	6.5-7.5
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	As for water.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

## 10. STABILITY AND REACTIVITY

**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.

Conditions to Avoid: Keep containers tightly closed.

**Incompatibilities:** None Known

**Fire Decomposition:** 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. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

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

## 11. TOXICOLOGICAL INFORMATION

**Health Effects: Acute –**

**Swallowed:** May cause slight irritation to the gastro-intestinal tract. No other information available.

**Eye:** Will cause discomfort.

**Skin:** Prolonged contact may cause skin dryness.

**Inhalation:** Respiratory irritation may occur if large amounts of spray mist are inhaled.

**Health Effects: Chronic –** none known.

**Toxicity Data: Not available for mixture.**

**For quaternary ammonium compound: oral LD50 (rat) = 500 – 2000 mg/kg.**

**Local Effects:**

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

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways

**Persistence/degradability:** This material is biodegradable.

**Aquatic toxicity:** Not Known

### 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

### 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not Dangerous Goods

### 15. REGULATORY INFORMATION

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16. Other Information

*This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

**Contact Person/Point** Genesis Industrial Pty Ltd, Technical Manager