

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION:

### Fresh and Clean DISINFECTANT

A pleasant perfumed disinfectant for bathrooms, toilets, etc.  
MPI Approved C32 (all animal product except dairy).

#### FRESH AND CLEAN

A division of AlSCO NZ,  
354 New North Road,  
Eden Terrace, Auckland, 1021,  
New Zealand.

PO Box 8860, Symonds St, Auckland, 1150.  
Freephone: 0800 257 266  
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Web site: [www.freshandclean.co.nz](http://www.freshandclean.co.nz)  
E-mail: [freshandclean@alsco.co.nz](mailto:freshandclean@alsco.co.nz)

EMERGENCY CONTACT: Phone 0800 257 266 8 am to 5 pm Mon to Fri.  
After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

## 2. HAZARD IDENTIFICATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.  
This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

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|--|---|
| 6.1E May be harmful if swallowed or skin contact occurs.                       | 6.5B May cause an allergic skin reaction.               |
| 6.3A Causes skin irritation.   | 6.9B May cause damage to body organs.                   |
| 6.4A Causes eye irritation.  | 9.1C Harmful to aquatic life with long lasting effects. |
| 6.5A May cause allergy or asthma symptoms or breathing difficulties if inhaled |   |

Cleaning Products Subsidiary Hazards Group Standard: HSR No: 00002530

## 3. COMPOSITION & INFORMATION ON INGREDIENTS:

Benzalkonium chloride (CAS# 8001-54-5)	20 g per litre
Perfume and colouring	< 2 %
Water	> 50 %

## 4. FIRST AID MEASURES:

Contact with eyes:	Rinse eyes with running water holding back eyelids for 5 minutes. If irritation persists seek medical advice.
Contact with skin:	Wash affected area with copious volumes of water. If clothing is contaminated, remove and wash the affected skin area. If irritation or swelling occurs, seek medical advice.
After inhalation:	A non-volatile compound in normal use. But if subject to vapourisation remove the patient from exposure to a restful location and seek medical advice if symptoms persist. If clothing is contaminated, remove and wash before reuse.
After ingestion:	Do Not Induce Vomiting. Administer 2 glasses of water or milk and seek medical advice if discomfort persists.
Advice to Doctor:	Treat the patient for exposure to material with mild toxic effects. Have this SDS or a product label on hand.

## 5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.  
Drums subject to the heat of a prolonged fire may explode or erupt scattering contents with possibility of enhancing combustion. Where possible remove drums and containers from the path of a fire, or cool with water spray.  
Firefighters may use water spray, jet, fog, foam, CO<sub>2</sub>, or dry chemical powder to extinguish a fire in the vicinity.

## 6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Signage preventing foot traffic should be erected where appropriate.  
Minor spills (less than 100 litres) should be contained from drainage, diluted with water, neutralised where appropriate, and removed with mops, or absorbed with Mineral Sponge, rags, paper, sand, or soil. It may be possible to drain small spills to town wastewater services where permitted by local authorities.  
Large spills (drums and IBCs) should be contained from local drainage with any suitable bund or barrier. Clean up with absorbent material such as Mineral Sponge, paper, rags, sand or soil. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spilt product.

## 7. HANDLING AND STORAGE:

Store containers in sites where they can be kept cool and dry and away from heat sources. Liquid products in drums and carboys must have secure closures which fit.  
Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on an easily seen location on the container.  
After use, always replace lids and caps and return to safe storage as soon as possible.  
There are no specific transport restraints for this material in secure containers.

**8. EXPOSURE CONTROLS & PERSONAL PROTECTION:**

Exposure controls: No data is available . There is no WES data for Benzalkonium chloride.  
 Eye protection: Safety glasses.  
 Protective clothing: Chemically impregnable gloves, protective work clothes (a coat, apron or overalls).  
 Respiratory protection: Not required for the regular use of this product. If the liquid is being vaporised, a face shield and/or respirator may be required. These operations should be carried out by trained personnel only.  
 Ventilation: Where spraying or vaporising is being carried out, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	Blue coloured liquid
<b>Odour</b>	Floral lime
<b>pH</b>	7.0 ± 0.5
<b>Flash Point</b>	Not applicable
<b>Ignition Point</b>	Not applicable
<b>Specific Gravity</b>	1.00 ± 0.01
<b>Refractive Index</b>	1.337 ± 0.005 3 Bx
<b>Viscosity</b>	Not applicable
<b>Relative Foam</b>	Not applicable
<b>Solubility in water</b>	Completely in all proportions

**10. STABILITY AND REACTIVITY:**

Considered stable under normal storage conditions.  
 Avoid contamination with oxidising substances.  
 Hazardous polymerisation will not occur.  
 Combustion of this product will release oxides of carbon and nitrogen.

**11. TOXICOLOGICAL INFORMATION:**

No data is available.  
 For Benzalkonium chloride: LD50 Rat 1420 mg/kg LD50 mouse 150 mg/kg

**12. ECOLOGICAL INFORMATION:**

No data is available .  
 For Benzalkonium chloride: LC50 fathead minnow 0.28 mg/l 96 hr exposure. EC50 daphnia magna 0.006 mg/l 48 hr exposure.

**13. DISPOSAL CONSIDERATIONS:**

Minor spilled liquids (after neutralisation) may be disposed of through town wastewater systems where these are authorised for industrial use.  
 Major spills, which have been collected by machine or on absorbants, should be disposed of by waste disposal experts in accordance with local regulations.  
 Used containers should be rinsed, not recycled, but disposed of in landfill or incinerated.

**14. TRANSPORT INFORMATION:**

NZ Land Transport Rule: Dangerous Goods Rule 2005      Classified as not dangerous for Land Transport in New Zealand

**15. NZ REGULATORY INFORMATION:**

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.  
 This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.  
 Cleaning Products Subsidiary Hazards Group Standard: HSR No: 2530.  
 HSNO Act Controls Regulations 2001:  
 Limit and monitor exposure during the use of the product      Make use of suitable equipment for handling the product  
 Wear suitable protective clothing while being used  
 Limit exposure to the environment      Dispose of waste or spilt material only through a recognised expert company  
 MPI Approved C32 (all animal product except dairy).

**16. OTHER INFORMATION:**

Formulation reference and version number:      Version 2.  
 This SDS was prepared from data available on 05 July 2018.  
 This SDS was printed on 5 July 2018.  
 This SDS will be reviewed no later than 31 August 2021

**END OF THIS SAFETY DATA SHEET**