

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: CLINIKILL CONCENTRATE
Other names: None allocated
Recommended use: A disinfectant, germicidal detergent
Supplier Details: Pharmachem
Unit 6, 70 Fison Ave West
Eagle Farm QLD 4009
Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344
Contact Person: Mr Gray Boston
Emergency Telephone: (07) 3630 1654

SECTION 2 HAZARDS IDENTIFICATION

This product is classified as not hazardous according to the classification criteria of NOHSC:1008(2004), Approved Criteria For Classifying Hazardous Substances and the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]:

The concentration of benzalkonium chloride in this material is below the cut-off level which would result in classification of this material as hazardous. However, the following effects could result from exposure to this product:

Skin: Will irritate the skin
Eyes: Will damage the eyes
Ingestion: May be harmful if swallowed
Inhaled: Excess inhalation may cause breathing discomfort
Repeated exposure may cause allergic disorders.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Cas No.	Proportion
Benzalkonium Chloride	8001-54-4	0.77%
Surfactant	Not Applicable	<1%
Fragrance and Dye	Not Applicable	<1%
Water	Not Applicable	QS 100%

SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set by the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Aging:

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126. (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals*)

However the following additional information is provided for assistance in emergent circumstances:

Ingestion:	As above
Eyes:	Irrigate with copious quantities of water for 15 minutes. Seek medical assistance if effect persists.
Skin:	Wash affected areas with soap and water.
Inhaled:	Remove effected person to a well-ventilated area

Advice To Doctor: Treat symptomatically

SECTION 5 FIRE FIGHTING MEASURES

Fire/Explosion Hazard:	Non Combustible
Suitable extinguishing media:	Use extinguishing media suitable for surrounding fire
Hazards from combustion products:	Small amounts of carbon monoxide, nitrogen oxides and hydrogen chloride could evolve on heating from the small amount of benzalkonium chloride in this product
Special protective precautions and equipment for fire fighters:	Self contained breathing apparatus and chemical splash suits are recommended, depending on the size of the fire and the involvement of this product.
Hazchem Code:	None allocated

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures: Contain spills using inert, absorbent material. Slippery when wet. Avoid accidents, clean up immediately.

Methods and materials for containment and clean up: Use inert absorbent material (eg soil, sand, vermiculite). Collect and seal in containers for disposal. Wash area down with detergent and excess water.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Contamination of surfaces will result in them becoming very slippery. Avoid contamination of surfaces with this product.

Conditions for safe storage, including any incompatibilities: Store below 30° (Room Temperature) in the original container out of direct sunlight.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: None allocated
Biological limit values: None allocated
Engineering controls: Use with adequate ventilation.
Personal protective equipment:

The following Safety Directions have been set by the Office of Chemical Safety (OCS) as part of the assessment of this product for registration by the Australian Pesticides & Veterinary Medicines Authority (APVMA). (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals*):

Will damage the eyes and will irritate the skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the disinfectant solution wear cotton overalls buttoned to the neck and wrist and washable hat and elbow-length PVC gloves and goggles. When using the disinfectant solution wear elbow-length PVC gloves and goggles. If product on skin immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each days use, wash gloves, goggles and contaminated clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):	A blue, transparent liquid
Odour:	Pleasant perfume.
Solubility (specify solvent, e.g. water):	Miscible in water
Specific Gravity:	0.9975

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	None known
Hazardous reactions:	None known

SECTION 11 TOXICOLOGICAL INFORMATION

Benzalkonium Chloride:

LD₅₀ – Oral (Rat): 240 mg/kg

Oral – Women (lowest published toxic dose): 266 mg/kg

Repeated dermal or intradermal applications of 0.01 – 3% water solution of benzalkonium chloride induced sensitization, eye irritation and skin irritations in several laboratory animals (rabbits, guinea pigs, mice).

It is considered unlikely that exposure would occur via the oral or inhalation routes. Precautions should focus on skin and eye protection.

SECTION 12 ECOLOGICAL INFORMATION

The following environmental precautions have been set by the Department of Environment and Heritage as part of the assessment of this product for registration by the Australian Pesticides and Veterinary medicines Authority (APVMA):

“PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT: Do not contaminate streams, rivers or waterways with the chemical or used containers.”

Ecotoxicity: No information available

Persistence and degradability: No information available

Mobility: No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

The following disposal directions for containers have been set by the Department of Environment and Heritage as part of the assessment of this product for registration by the Australian Pesticides and Veterinary Medicines Authority (APVMA).

Triple or (preferably) pressure rinse into the medicated wash. Do not dispose of undiluted chemicals on site. Break, crush, or puncture and bury empty container in a local authority landfill. If no landfill is available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burned.

Obtain instructions from your local government authority for disposal of unwanted product.

Special precautions for landfill or incineration: Do not burn product or empty containers

SECTION 14 TRANSPORT INFORMATION

Not defined as Dangerous Goods by the Australian Code for the Transport of Dangerous Goods by Road and Rail

SECTION 15 REGULATORY INFORMATION

This product has been registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA). In granting registration to any product, the APVMA has exercised its legislative responsibility to ensure that the product is suitably formulated and properly labelled and, when used according to instructions is:

- safe to the host, the user, consumers and the environment;
- efficacious (that is, the product does the job it claims it shall do); and
- not unduly prejudicial to trade.

The APVMA uses the services of a number of Australian and State government agencies as advisers to help with some of these evaluations of applications for registration of agricultural and veterinary chemical products. These include:

- the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Ageing which:

- evaluates and reports on toxicology and metabolism studies; proposes first aid and safety directions; determines poison schedule classifications; and establishes acceptable daily intakes (ADIs) and acute reference doses (ARfD); and
- evaluates the occupational health and safety aspects of an application and recommends safety directions and occupational controls on use and advises on a Material Safety Data Sheet (MSDS);
- the Commonwealth Department of the Environment and Heritage (DEH) which evaluates environmental data and recommends appropriate use controls and instructions for the product that will protect the environment; and
- State and Territory departments responsible for agricultural and primary industries which evaluate and reports on efficacy and target crop or animal safety data for new agricultural chemicals and new uses of registered products. In some cases the APVMA contracts this work out to other agencies such as universities, the CSIRO or to other experts.

Although all ingredients appear in the Australian Inventory of Chemical Substances (AICS), they have not been assessed by NICNAS (National Industrial Chemicals Notification and Assessment Scheme)

SECTION 16 OTHER INFORMATION

Date of last revision of the MSDS: January 07

CONTACT POINT

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B/Hrs Phone (07) 3868 0333 A/Hrs (07) 3630 1654

References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals, March 2005
2. Approved Criteria For Classifying Hazardous Substances, NOHSC:1008 (2004)
3. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)]
4. AICS (Australian Inventory of Chemical Substances)
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, October 2005
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, August 2001
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition
8. Hazardous Substances Information System, Version 1.2.2 (September 2004), Last Updated – November 2005, NOHSC

All information contained in this Material Safety Data Sheet is as accurate and up to date as possible. Since Pharmachem cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Pharmachem will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied as mandatory by Commonwealth State or Territory legislation.