

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS Product identifier:	Clinikill Platinum Disinfectant
Other means of identification:	Not Applicable
Recommended use of the product and restrictions on use:	Used as a surface disinfectant
Supplier's Details:	Pharmachem Australia Pty Ltd Unit 6, 70 Fison Ave West Eagle Farm QLD 4009 Telephone: (07) 3868 0333

Emergency phone number: 13 11 26 (Poisons Information Hotline)

SECTION 2 HAZARDS IDENTIFICATION

Classification of Product:
This product is classified as hazardous in accordance with the classification criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition.

GHS Hazard Classification:	Acute aquatic hazard category 2 Skin corrosion/irritation category 1 Serious eye damage category 1 Respiratory sensitizer category 1 Skin sensitizer category 1
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GHS Pictograms:

Signal Word: DANGER

Hazard Statements:	H318: Causes serious eye damage. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317: May cause an allergic skin reaction. H401: Toxic to aquatic life.
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Precautionary Statements:	P264 – Wash hands thoroughly after handling. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 – IF ON SKIN: Wash with plenty of soap and water. P321 – Treat Symptomatically P332 + P313 – If skin irritation occurs: Get medical advice/attention. P362 + P364 – Take off contaminated clothing and wash it before reuse. P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 – Immediately call a POISON CENTER or doctor/physician. P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
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P284 – Wear respiratory protection.
 P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P501 – Dispose of contents/container in accordance with local regulations.
 P272 – Contaminated work clothing should not be allowed out of the workplace.
 P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P273 – Avoid release to the environment.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Cas No.	Proportion
Benzalkonium chloride	8001-54-5	53.5 g/L
Poly(hexamethylene) biguanide HCL	32289-58-0	4g/L
Proprietary non-hazardous inert ingredients		Not applicable

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SECTION 4 FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor (at once).

The following information is provided should emergency exposure occur:

Eye Contact: Check for and remove any contact lenses. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation: Allow the victim to rest in a well-ventilated area.

Ingestion: If swallowed, do NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, dry chemical, carbon dioxide

Hazards from combustion products: Noxious or toxic vapours (carbon and nitrogen oxides) may be released in a fire situation

Special protective precautions and equipment for fire fighters: Fire fighters should wear self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures: Slippery when spilled. Contain spilled liquid with impervious material or inert absorbent material. Avoid accidents, clean up immediately. Wash area down with excess water.

Methods and materials for containment and clean up:
with

Collect absorbed material in drums for disposal in an approved local authority landfill. Wash down contaminated area excess water after collecting absorbed material.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Handle with care to avoid accidental release of product

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

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: No values set for this material
 Biological limit values: No values set for this material
 Engineering controls: Natural ventilation only required
 Personal protective equipment: CLOTHING: PVC or rubber apron
 GLOVES: PVC or rubber
 EYES: Chemical goggles or faceshield to protect eyes

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slight yellow liquid.
 Solubility: Soluble in water
 pH: 7-8

SECTION 10 STABILITY AND REACTIVITY

Chemical stability: Stable
 Conditions to avoid: Protect from light and moisture
 Incompatible materials: Strong oxidizing agents
 Hazardous decomposition products: Thermal decomposition or burning may produce toxic oxides of nitrogen and carbon.
 Hazardous reactions: Hazardous polymerisation has not been reported

SECTION 11 TOXICOLOGICAL INFORMATION

Routes of Exposure:
 Exposure to product can occur through ingestion and eye or skin contact. The major routes of exposure are expected to be eye and skin contact. There are no toxicology data available for the final product, however below is the available toxicology information on ingredients.

Signs and symptoms of exposure: Not known.

Summary of Toxicology:

Toxicity to mammals (Benzalkonium chloride):

Acute toxicity:		
Acute oral LD ₅₀	Rat	240 mg/kg
Acute dermal LD ₅₀	Rabbit	1560 mg/kg

Poly(hexamethylene) biguanide HCL		
Acute toxicity:		
Acute oral LD ₅₀	Rat	>2000 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

DO NOT discharge into sewer or waterways. Not considered Marine pollutant as per IMDG.

Following information is based on hazardous ingredients

Toxicity to Aquatic Species (Benzalkonium chloride):

Fish: LC₅₀ (96 hours) 0.32 mg/L

Toxicity to Aquatic Species (Poly(hexamethylene) biguanide HCL):

Fish: LC₅₀ (96 hours) 0.02545 mg/L

Persistence and degradability: Information not available

Bioaccumulative potential: Bioaccumulation is not considered to be of major importance for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers: Do not burn unused product or containers. Dispose of unused product and containers in accordance with local authority requirements.

Special precautions for landfill: No special precautions required for landfill

SECTION 14 TRANSPORT INFORMATION

This material is not classified as Dangerous Goods under the Australian Dangerous Goods Code. No special precautions are required for transport of this material.

SECTION 15 REGULATORY INFORMATION

This product has been registered by the Therapeutic Goods Administration (TGA) of Australia. In granting registration to any product, the TGA 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.

SECTION 16 OTHER INFORMATION

References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals, (as updated)
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]
4. AICS (Australian Inventory of Chemical Substances), Safework Australia
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, Version 4.1, (as updated)
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, (as updated)
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 7th Edition
8. The Poisons Standard (as updated), National Drugs and Poisons Schedule Committee
9. Hazardous Substances Information System, Safework Australia (as updated)
10. Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition, United Nations, New York and Geneva, 2009
11. NIOSH Pocket Guide to Chemical Hazards
12. Chemical Classification and Information Database (CCID) (as updated), New Zealand Environmental Protection Authority, <http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx>

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