

# MATERIAL SAFETY DATA SHEET

## Hydrosan Hard Surface Disinfectant Cleaner

An excellent disinfectant cleaner containing G-cide technology



SANS 1615 Type 1, 1853, 1828  
Act29GNR529/240549/110/719

### COMPANY DETAILS

Manufacture's Name: Columbus Cleaning Solutions (Pty) Ltd  
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### 1. PRODUCT NAME:

Trade Name: Hydrosan hard surface disinfectant cleaner  
Product Code: GC201  
Synonyms: Disinfectant cleaner

### 2. COMPOSITION:

Chemical Name: (active ingredient) 0.3% - 2% Glutaral C11-C15 Pareth9 t/a G-cide  
Hazardous Chemicals: None  
Routes of Entry: Inhalation X Skin/Eye X Ingestion X

Note: There is no sulphonic acid, CDE or any other type of ethanolamine in this formulation.  
There are no Nitrosamine forming ingredients in this product.

### 3. HAZARDS IDENTIFICATION:

Hydrosan hard surface cleaner contains no ingredients listed as carcinogens or potential carcinogens by the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, present at a concentration greater than 0.1%:

OSHA PEL: 0.2 ppm<sup>1</sup>

ACGIH TLV: 0.05 ppm

The OSHA Permissible Exposure Level (PEL) for glutaraldehyde was invalidated in 1992 by court order. However, the PEL may remain valid in some OSHA approved state plans, and also can be enforced by federal OSHA under the General Duty Clause.

#### 4. FIRST AID MEASURES:

First Aid Eyes: Irritant, burns. Flush eyes with water. Seek medical help.

First Aid Skin: Wash with water.

First Aid Ingestion: Drink milk. Seek medical help.

First Aid Inhalation: Remove to fresh air.

#### 5. FIRE FIGHTING MEASURES:

Extinguishing Media: Water, spray or fog, CO2 powder

Protective Clothing: Wear protective clothing

Special Hazards: None

#### 6. ACCIDENTAL RELEASE MEASURES:

- Steps to be taken if material is released or spilled: Wear suitable protective equipment, including nitrile (not PVC) gloves. For small spills of 5 litres or less, gather up a bucket of water and a sponge or mop. Mop or sponge the water into the spill until thoroughly combined. Wipe or mop up resulting spill area a final wipe or mop with fresh water. Re-rinse all equipment, and allow spill area to dry. For large spills of more than 5 litres, remove people from immediate spill area as it will be very slippery, and isolate until cleaned up. Contain spill with absorbent material, i.e. towels. With a sponge type mop pick up as much of the spillage as possible. Discard the waste containers into a bin according to your facility's waste disposal guidelines. OR wash the area down with plenty of water to drain or sewer using a hose pipe. Then Mop the spill area with fresh water. Rinse out all equipment (bucket, mop, and towel) with large amount of water. If paper towels were used, dispose of in a tightly closed trash bag. Let spill area dry before allowing people traffic to ensure no one can slip on the floor.
- Waste disposal method: Disposal of Hydrosan hard surface cleaner may be accomplished by pouring solution down the drain in accordance with state and local regulations. Flush with a large quantity of water. Rinse thoroughly with water and dispose of the container in the trash bin.
- Precautions to be taken in handling and storing: Hydrosan hard surface cleaner should be stored in its original sealed container at room temperature (15°C to 30°C).
- Precautionary labelling: Avoid eye contact with the undiluted product. It will sting the eyes, like any type of soap.

#### 7. HANDLING AND STORAGE:

- Eye Protection: Safety glasses for handling of solutions greater than 3% active G-cide. An eyewash should be available for emergency situations.
- Ventilation: None required, however ensure that there is plenty of fresh air coming into the production area.
- Skin Protection: Nitrile gloves should be worn when working with the Hard lemon all purpose of concentrations of 5% active G-cide. Use normal latex gloves for solutions of less than 3%. Rubber boots may be needed to contain large spills.
- Respiratory Protection: None required
- Suitable Material: Plastic containers
- Handling Storage Precessions: Keep in a cool place. Keep lid closed.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Route of Entry: Inhalation, skin and eyes  
 Signs and symptoms associated with overexposure (one-time or repeated):

- a) Ingestion of solution containing 5% of Hydrosan hard surface cleaner or higher: May cause irritation and possibly a stinging feeling in the mouth, throat, stomach and oesophagus. May produce discomfort in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhoea, thirst and weakness. No problems with solutions of less than 0.5% active G-cide
- b) Eyes: Avoid eye contact with solutions greater than 0.5% active G-cide. Solution contact of less than 0.5% active G-cide may cause no more damage than getting any concentrated soap in ones eye.
- c) Skin: Not skin irritant. Avoid contact on existing dermatitis. Solutions of greater than 2% may cause skin to discolour brownish. The discolouration will be removed by five times washing over a two day period. No skin discolouration observed with contact of solutions less than 0.5% active G-cide
- d) Inhalation: None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Colour:	Clear, non-fragranced liquid
pH:	Between 5.0 and 7.8
Specific Gravity:	1.1
Boiling Point:	100° C
Evaporation Rate:	Not applicable
Freezing Point:	0° C/32° F (Same as Water)
Percent Volatile by Vol.:	Not detectable at normal usage dilution
Vapour Pressure:	None
Vapour Density:	1.1 (air =1)
Molecular Weight:	This is a mixture of various chemicals
Solubility (H <sub>2</sub> O):	Complete
Neurotoxicity:	Nil.

## 10. STABILITY AND REACTIVE

Stability:	Stable
Hazardous Polymerisation:	Will Not Occur at temperature between -4° C and +40° C
Hazardous Decomposition Products:	Thermal decomposition may produce toxic oxides of carbon.
Conditions and Materials to Avoid:	Enzyme cleaners, Ammonia, Amine containing products.

## 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity: Toxic at 5% active G-cide, non-toxic at less than 0.5% active G-cide.
- Acute toxicity dermal: None
- Acute toxicity inhalation: None
- Eye irritation: Avoid eye contact with solutions of greater than 0.5% active G-cide. Stings the eyeS, but will cause no long lasting impairment. **Do not use on contact lenses.**
- Skin Irritation: Concentrations of >2% G-cide will discolour skin a brownish colour, which will disappear after repeated washing over two days. No discolouration or irritation will be experienced with solutions of less than 0.3% active G-cide, for normal skin.
- Skin sensitisation: None.

## 12. ECOLOGICAL INFORMATION

Biodegradability:	All the ingredients of this product are biodegradable by greater than 90%. Resulting broken down elements of the product is carbon dioxide and water.	
Aquatic Toxicity:	Fish:	Assumed non toxic
Aquatic Toxicity:	Daphnia:	Assumed non toxic
Aquatic Toxicity:	Algae:	Assumed non toxic
Biodegradability:	Yes	
Bio-accumulations:	Nil	

## 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose in accordance with local legislation
Disposal of packaging:	No special precautions

## 14. TRANSPORT INFORMATION

Product is not classified for any mode of transport.

## 15. REGULATORY INFORMATION

SABS approved:	SABS 1615 & 1616, 1853, 1828.
Compulsory Act 29 for disinfectants / detergents registered.	
EC classification:	Non-flammable
EC risk phrase:	None
EC safety phrase :	None
Contains:	Water, surfactants, biocide.

## 16. OTHER INFORMATION

### Disclaimer

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