

MATERIAL SAFETY DATA SHEET

Hydrosan Anti-microbial hand sanitizer gel/foam

An anti-microbial hand and skin sanitizer

COMPANY DETAILS

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1. PRODUCT NAME:

Trade Name: Hydrosan Anti-mic hand sanitizer
Product code: GX101/GX106

2. COMPOSITION:

Hydrosan anti-microbial hand sanitizer contains the following hazardous ingredients at concentrations greater than 1.0%

Hazardous chemical components: None

OSHA PEL: 0.2 ppm¹

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.

3. HAZARDS IDENTIFICATION:

Hydrosan anti-microbial hand sanitizer contains the following hazardous ingredients at concentrations greater than 1.0%

Chemical Components:	None
CAS#:	
%w/v:	
OSHA PEL:	0.2 ppm ¹
ACGIH TLV:	0.05 ppm

Hydrosan anti-microbial hand sanitizer contains the following hazardous ingredients listed as carcinogens or potential carcinogens by the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%:

CHEMICAL COMPONENTS:	None
CAS#:	n/a
%v/w:	n/a

4. FIRST AID MEASURES:

Ingestion:	Do not induce vomiting. Drink large quantities of water. Note to the physician: Probable mucosal damage from oral exposure of large quantity of ingestion of undiluted Hydrosan anti-microbial hand sanitizer may contraindicate the use of gastric pump.
Eyes:	Immediately flush eyes with water and continue washing for at least 2 minutes.
Skin:	Wash with plenty of water.
Inhalation:	Normally none required, however if needed, remove to fresh air.

Medical Conditions Generally Aggravated by Overexposure: See above.

5. FIRE FIGHTING MEASURES:

Flash Point (Test Method):	None (Tag Closed Cup ASTM D 56)
Special Fire Fighting Procedures:	Self-Contained Breathing Apparatus (SCBA) and protective clothing should be worn when fighting chemical fires.
Unusual Fire and Explosion Hazards:	None known
Extinguishing Media:	Carbon dioxide, foam, dry chemical.

6. ACCIDENTAL RELEASE MEASURES:

Breathing apparatus for fire only:	Ensure adequate ventilation.
Environmental Precautions:	Do not flush into sewer
For small spills:	5 liters 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:	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 into a bin according to your facility's waste disposal guidelines OR wash the area down with plenty of water to drain or sewer. Then mop the spill area with fresh water. Rinse out all equipment (bucket, mop, towel) with large amount of water. If paper towels were used,

dispose of in a tightly closed trash. Let spill area dry before allowing people traffic to ensure no one can slip on the floor.

Waste disposal method: Disposal of Hydrosan anti-microbial hand sanitizer 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 anti-microbial dishwashing solution should be stored in its original sealed container at room temperature (15°C to 30°C).

Precautionary labelling: Avoid contact with eyes, the undiluted product will sting the eyes, like any type of soap.

Clean as per Government regulations. Soak up with inert absorbent material (eg. Sand, silica gel, acid binder, sawdust)

7. HANDLING AND STORAGE:

Suitable Material: Plastic containers
 Handling Storage Precessions: Keep in a cool place. Keep lid closed.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Route of Entry: Ingestion, inhalation, skin and eyes

Signs and Symptoms Associated with Overexposure (one-time or repeated):

Ingestion for solution containing 5% of Hydrosan anti-microbial hand sanitizer solution or higher:
 May cause irritation and possibly a stinging feeling in the mouth, throat, stomach and esophagus. May produce discomfort in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhea, thirst and weakness. No problems with solutions of less than 0.5% active G-cide

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.

Skin: Not skin irritant. Avoid contact on existing dermatitis. Solutions of greater than 2% may cause skin to discolour (brown).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

Inhalation: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, blue gel/foam.
Odor:	Characteristic
pH:	5.0 - 7.0
Boiling point:	100° C
Melting point:	Not determined
Flash point:	Not applicable
Flammability:	Nil
Auto Flammability:	Not determined
Explosive Properties:	Nil
Oxidizing Properties:	Nil
Vapor pressure:	As for water
Solubility:	Water: Completely
Neurotoxicity:	Nil.

10. STABILITY AND REACTIVE

Stability	Stable
Hazardous Polymerisation:	Will not occur at temperature between -4° C and +40° C
Hazardous Decomposition Products:	Nil.
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 eye, but will cause no long lasting impairment. Do not use on contact lenses.
Skin Irritation:	>2% G-cide will discolour skin a brownish colour, which will disappear after five washing over two days. No discolouration nor irritation will be experienced with solutions of less than 0.3% active G-cide, for normal skin.
Skin sensitization:	None.

12. ECOLOGICAL INFORMATION

Biodegradability:	All the ingredients of this product are biodegradable by greater than 90%. Resulting broken down elements of the product are carbon dioxide and water.
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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

EC classification:	Non-flammable
EC risk phrase:	None
EC safety phrase:	None
Contains:	Water, emollients, biocide and colorant.

16. OTHER INFORMATION

Disclaimer

The information contained herein is based on the present state of information and knowledge available. The information provided are guidelines and recommendations and DOES NOT constitute any guarantee or warranty. Columbus Cleaning Solutions (Pty) Ltd does not accept any liability of any kind for any loss including, without limitations, consequential loss, injury or damage arising from the use of its products and or information contained herein.

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