

MATERIAL SAFETY DATA SHEET

Hydrosan Lemon All Purpose Disinfectant Cleaner

An excellent disinfectant cleaner containing G-cide technology



SANS 1615 Type 1
Act29GNR529/240549/110/715

COMPANY DETAILS

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1. PRODUCT NAME:

Trade Name: Hydrosan Lemon All Purpose disinfectant cleaner
Product Code: GC205
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 Lemon All Purpose disinfectant cleaner 0.2% contains the following hazardous ingredients at concentrations greater than 1.0%

CHEMICAL COMPONENTS: none
CAS#:

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Hydrosan Lemon All Purpose disinfectant cleaner 0.2% 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 |

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:

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| 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:

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| 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 Lemon All Purpose 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 Lemon All Purpose 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 Hydrosan Lemon All Purpose with concentrations of 5% active G-cide. Use normal latex gloves for solutions of less than 3%. Rubber boots may

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- Respiratory Protection: be needed to contain large spills. None required
- Suitable Material: Plastic containers
- Handling Storage Precessions: Keep in a cool place. Keep lid closed.

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 Lemon All Purpose 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

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| Appearance & Colour: | Yellow liquid |
| Fragrance: | Lemon |
| 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 ₂ O): | Complete |
| Neurotoxicity: | Nil. |

10. STABILITY AND REACTIVE

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| 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

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| 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. |

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Skin Irritation: Solutions of greater than 1,0% active G-cide will discolour skin a brownish colour, which will disappear after five washing over two days. No discoloration nor irritation will be experienced with

Skin sensitization: solutions of less than 0.3% active G-cide, for normal skin. None. Avoid use on dermatitis skin or open wounds (stings).

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.
Compulsory Act 29 for disinfectants / detergents registered.
EC classification. Non-flammable
EC risk phrase none
EC safety phrase none
Contains: water, surfactants, biocide, perfume and colorants.

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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