

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION

Manufacturers Name & Address: New Decade Investments (Pty) Ltd t/a Durotec
Phone: +27 (0)041 5855578
Product Name: **Zero 3 Hospisan Medical Skin Cleanser and Disinfectant**
Product Code: 500ml : 12515, 1 litre : 12510, 5 litre : 12505, 25 litre :12500
Product Type: Disinfectant-Detergent Skin Cleanser
Chemical Name: 0.3% glutaraldehyde (active ingredient)
Hazardous Chemicals: Glutaraldehyde
Routes of Entry: Inhalation, Skin, Eyes and Ingestion

SECTION 2 Hazardous Ingredients/Identity Information

ZERO 3 HOSPISAN MEDICAL SKIN CLEANSER AND DISINFECTANT contains the following hazardous ingredients at concentrations greater than 1.0%

CHEMICAL COMPONENTS: Glutaraldehyde (active ingredient)
CAS#: 111-30-8
%w/v: 0.3%
OSHA PEL: 0.2 ppm¹
ACGIH TLV: 0.05 ppm

ZERO 3 HOSPISAN MEDICAL SKIN CLEANSER AND DISINFECTANT 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

¹The 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.

SECTION 3 Physical/Chemical Characteristics

Boiling Point: 100°C **Evaporation Rate:** n/a
Specific Gravity: 1.008 - 1.009 **Solubility (H₂O):** Complete
Vapour Pressure: 16. 9 mmHg **Appearance & Colour:** A pink liquid with fragrant rose odour
Melting Point: n/a **pH:** Between 5.5 and 7.8
Vapour Density: 1.1 (air =1) **Molecular Weight:** Proprietary
Freezing Point: 0°C/32°F (Same as Water)
Percent Volatile by Vol.: Not detectable.

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Reason for replacement

SECTION 4 Fire and Explosion Hazard Data

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| 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. |

SECTION 5 Reactivity Data

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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. |

SECTION 6 Health Hazard Data

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| Route of Entry: | Skin, Eyes, Ingestion |
| Signs and Symptoms Associated with Overexposure (one-time or repeated): | None |

Emergency and First Aid Procedure:

Ingestion: **DO NOT INDUCE VOMITING.** Drink large quantities of water and call a physician immediately.

Eyes: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately, and follow up with an ophthalmologist.

Medical Conditions Generally Aggravated by Overexposure: See above.

SECTION 7 Precautions For Safe Handling and Use

- Steps to be Taken if Material is Released or Spilled:** Contain spill with absorbent material, i.e. towels and mop with water.
- Waste Disposal Method:** Dispose of Towels and cloths in the manner prescribed by local authorities.
- Precautions to be taken in Handling and Storing:** **ZERO 3 HOSPISAN MEDICAL SKIN CLEANSER AND DISINFECTANT** should be stored in its original sealed container at room temperature (15°C to 30°C).
- Precautionary labelling:** Avoid contact with eyes, prolonged and repeated contact with skin, and contamination with food.

SECTION 8 Transportation Data & Additional Information

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| Proper Shipping Name: | 0.3% Glutaraldehyde Solution | DOT (ground): | Not regulated |
| IATA (air): | Not regulated | IMO (ocean): | Not regulated |
| Hazard Class: | None | Labels: | None needed |
| ID#: | None | Special Instructions: | None |
| Reportable Quantity: | None | | |

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SECTION 9 Control Measures

- . **Eye Protection:** An eyewash bottle or station is recommended near to where the product is being used.
- . **Ventilation:** **ZERO 3 HOSPISAN MEDICAL SKIN CLEANSER AND DISINFECTANT** should be stored in closed containers with tight fitting lids.
- . **Skin Protection:** None.
- . **Respiratory Protection:** None.

SECTION 10 Special Requirements

NONE

NOTE: While Durotec believes that the data contained herein are factual, and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which Durotec assumes legal responsibility. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Durotec, it is the user's obligation to assure safe use of the product.

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