

## Material Safety Data Sheet

**Product Name : GERMICLEAN SURGICAL WASH**

**MSDS No. : MSDS/FZDG05/02**

**Version No. : 02**

**Effective Date: 01/10/2011**

**Ref. SOP: SOP/QA/020/02**

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### 1. Identity of Material

Product Name	Chlorhexidine Gluconate Solution	
Trade Name	GERMICLEAN SURGICAL WASH	
Formula	Label : Chlorhexidine Gluconate Solution I.P. 20 % v/v Equivalent to 4 % w/v Chlorhexidine Gluconate Base Aqueous Q.S. Colour : Ponceau-4R Category : Pre-operative surgical hand disinfection Pre & post-operative skin antisepsis for patients. Class : Not available CAS Number: Not assigned for the product.	UN Number : Not available
Regulated Identification	Shipping Name : Chlorhexidine Gluconate Solution Codes/ Label : Not available	HAZCHEM CODE : Not available
	Hazardous Waste : Not available Identification Number : Not available	
Sr.No.	Ingredients	CAS Number
1.	Chlorhexidine Gluconate	018472-51-0
2.	Water	7732-18-5

### 2. Physical and Chemical Properties

Physical State : Liquid	Boiling point in degree C : Not available	Vapour Pressure of 33 degree c mm hg : Not available
Appearance : Light Pink coloured, clear solution	Melting/Freezing Point in degree C : Not available	Evaporation rate at 30 degree C : Not available
Other Corrosivity : Not available	Specific Gravity : Not available	pH : 4.5 to 6.8

### 3. Fire and Explosive Hazard Data

Explosion/ Flammability: May be combustible at high temperature.	Flash point (deg.) Flash point (deg.) : Not applicable	LEL : Not available	Auto ignition Temperature degree C
		UEL : Not available	TDG Flammability (classification) : Not available

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**4. Reactivity Hazards**

	IMPACT : Not available	Hazardous Combustion Products : Not available
Stability: Product is stable.	Static Discharge : Not available	Hazardous Decomposition Products : Not available
	Reactivity : metals producing flammable / explosive hydrogen gas	Conditions to avoid : Not available

(Hazardous Polymerisation)	May not occur
Compatibility	Strong bases.

**5. Health Hazard Data**

Routes of Entry: Inhalation, skin, mucous membranes, eye and ingestion

Effects of Exposure/symptoms: Not available

LD 50 (in rat) (orally) : 2000 mg/kg Nil Reported

Permissible Exposure ppm mg/cu.m : Not available	Short term Exposure Limit (STEL) ppm mg/cu/m : Not available
Odour Threshold Limit pp mg/ cu.m : Not available	
Value (TI .V) of Aogih : Not available	
Emergency Treatment : If swallowed, IMMEDIATELY contact Doctor or Poisons Information Centre	

**6. Hazard Specification**

NFPA Hazard signal	Health	Flammability	Reactivity	Special
Known hazards	2	1	0	-
Combustible Liquid Flammable Material	-	-	-	-
Prophoric Material	-	-	-	-
Explosive Material	-	-	-	-
Unstable Material	-	-	-	-

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### 7. Safe Usage Data

Ventilation	Mechanical Local Exhaust
Equipment Required	Eyes : Protective glasses Respiratory : Not required under normal conditions of therapeutic use and storage Gloves : Protective Clothing : Protective
Precautions	Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

### 8. Emergency Response Data

Equipment required	Fire Extinguish Media: The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.
	Special Procedures : Not available
	Unusual Hazards : Not available
Exposure (Inhalation, skin, and eye contacts ingestion)	First Aid Measure: Eye: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention. Skin: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Torrel Cos. Pvt. Ltd.**

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Ingestion: 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. Seek immediate medical attention.

Spills

Steps to be taken: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**9. Additional Information**

DISCLAIMER: Information contained in this MSDS is believed to be reliable but no representation; guarantee or warranties of any kind are made us to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contain in the MSDS is relevant to the product manufactured/ handled or sold by him as the case may be .The TCPL makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose

**10. Additional Information**

**References:**

- MSDS format as per Gujarat factories rules, 1963, Schedule-5, Rule 68-J.
- [www.Hazard.com](http://www.Hazard.com), [www.sciencelab.com](http://www.sciencelab.com).
- Fire & Explosion hazards handbook of industrial chemicals.

**11. Manufactures Data**

**Firms Name: TORREL COS. PVT. LTD.**

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