

**Material Safety Data Sheet**

**Product Name : GERMICLEAN ANTISEPTIC LIQUID**

**MSDS No. :** MSDS/FZDG03/01

**Version No.:** 01

**Effective Date:** 17/10/2011

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

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**1. Identity of Material**

Product Name	Chlorhexidine Gluconate & Strong Cetrимide Solution	
Trade Name	GERMICLEAN ANTISEPTIC LIQUID	
Formula	Label: Chlorhexidine Gluconate Solution I.P. 0.3 % v/v Strong Cetrимide Solution B.P. Equivalent to Cetrимide I.P. 0.6 % w/v Colour: Tartrazine. & Sunset Yellow FCF Category: A Powerful Germicide. Class : Not available CAS Number: Not assigned for the product	UN Number: Not available
Regulated Identification	Shipping Name: Chlorhexidine Gluconate & Strong Cetrимide 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	18472-51-0
2.	Cetrимide	8044-71-1
3.	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: Orange coloured clear, transparent liquid	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: 5.5 to 7.5

**3. Fire and Explosive Hazard Data**

Explosion/ Flammability:  Not available	Flash point (deg.) Flash point (deg.):  Not available	LEL: Not available  UEL: Not available	Auto ignition Temperature degree C: Not available TDG Flammability (classification): 1

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**4. Reactivity Hazards**

	IMPACT: Not available	Hazardous Combustion Products: Not available
Stability : The product is stable.	Static Discharge: Not available	Hazardous Decomposition Products: Not available
	Reactivity: Strong oxidizer	Conditions to avoid: Not available

(Hazardous Polymerisation)	May not occur
Compatibility	Strong oxidizer

**5. Health Hazard Data**

Routes of Entry: Inhalation, skin, eye contact and ingestion

Effects of Exposure/symptoms: Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. No corrosive for skin.

LD 50 (in rat) : Not available

Permissible Exposure ppm mg/cu.m: Not available	Short term Exposure Limit (STEL): Not available
Odour Threshold Limit pp mg/ cu.m: Not available	
Value (TI .V) of Aogih: Not available	
Emergency Treatment: Inhalation:	Remove the victim from exposure & move to fresh air immediately. Give artificial respirator or oxygen if needed.
Ingestion:	Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Call a physician immediately.
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.
Eyes:	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

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**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	-	-	-	-

**7. Safe Usage Data**

Ventilation	General Local Exhaust
Equipment Required	Eyes: Safety glasses Respiratory: adequate ventilation. Gloves: Protective Clothing: Protective
Precautions	Handling: Protect against physical damage. Ensure good ventilation / exhaustion. 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: Use CO2, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam
	Special Procedures: No special measures required.
	Unusual Hazards: During heating or in case of fire, poisonous gases may be produced.
Exposure (Inhalation, skin, and eye contacts ingestion)	First Aid Measure: Ingestion: If swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS. Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes laboured or difficult.

**Torrel Cos. Pvt. Ltd.**

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Eye: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.

Skin: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse.

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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