

MATERIAL SAFETY DATA SHEET

Product name: **CHLORHEXIDINE GLUCONATE SOLUTION USP, 20%**
Last revised date: 3 December 2013
Print date: 18 December 2013

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Chlorhexidine Gluconate Solution USP 20%
DIN: 02053632

MANUFACTURER: Germiphene Corporation
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PRODUCT USE: Antimicrobial, disinfectant, preservative.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIEMT: Chlorhexidine Gluconate
CAS No 18472-51-0 % wt 20
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: No information found. Based upon results from animal toxicity studies for similar products it is anticipated that prolonged eye contact may result in mild eye irritation.

SKIN: None known
INGESTION: None known
INHALATION: None known

4. FIRST AID MEASURES

EYES: Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists, get medical attention.

SKIN: Wash skin with large amounts of running water, and soap if available, for at least 15 minutes. If irritation persists, get medical attention.

INGESTION: If ingested, give water, do not induce vomiting, call a physician. If vomiting occurs, give fluids again. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

INHALATION: In case of inhalation, remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

5. FIREFIGHTING MEASURES

FLAMMABILITY: No

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COMBUSTIBLE: No

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen

MEANS OF EXTINCTION: Carbon dioxide, dry chemical foam.

6. ACCIDENTAL RELEASE MEASURES

CAUTION! Floor may become slippery. For small quantities (less than 4 L), wipe up spill and rinse with water. For large quantities, dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid separately to containers for recovery or disposal. Prevent runoff into drains, sewers, and other waterways. Absorb on sawdust and incinerate.

7. HANDLING AND STORAGE

Avoid all skin contact. Handle with care. Avoid getting eyes. Avoid breathing vapours. It is advisable that gloves and goggles be worn when handling the concentrate. To maintain product quality, do not store in heat or direct sunlight. Keep container closed when not in use. Store in airtight containers away from light and at temperature below 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Good general ventilation recommended

RESPIRATORY PROTECTION: No

EYE PROTECTION: Yes. Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal conditions.

SKIN PROTECTION: Yes. Rubber or neoprene gloves, when needed, to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Yes. Wear adequate protective clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colourless to pale straw-coloured

ODOUR: Almost odourless

PHYSICAL STATE: Liquid

pH: 5.5 - 7.0

BOILING POINT: N/Av

MELTING POINT: N/Av

FREEZING POINT: N/Av

EVAPORATION RATE: N/Av

VAPOUR PRESSURE (mmHg): N/Av

SPECIFIC GRAVITY: 1.06 - 1.07

SOLUBILITY: Miscible with water. Soluble in acetone and in alcohol.

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.

CONDITIONS TO AVOID: N/Av

INCOMPATIBILITY (MATERIALS TO AVOID): None

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HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and oxygen.

11. TOXICOLOGICAL INFORMATION

CHLORHEXIDINE GLUCONATE Oral rat LD50 2000 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated by TDG.

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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