Material Safety Data Sheet

Product: SURGIPREP – CHX

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Manufacturer: BioShields - A Division of Tulip Diagnostics Pvt. Ltd.
Plot No. M – 46, Phase III B,
Verna Industrial Estate,
Verna, Goa, 403 722,
INDIA.

Product name: SURGIPREP – CHX
Synonyms: Chlorhexidine Antiseptic Solution for Preparation and Post Closure of Skin

2. COMPOSITION/INFORMATION ON INGREDIENTS

The ingredients at their given percentages in this product are not considered hazardous to your health.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Weight %</th>
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<tbody>
<tr>
<td>Chlorhexidine Gluconate Solution</td>
<td>18472-51-0</td>
<td>2.5</td>
</tr>
<tr>
<td>Isopropyl Alcohol (2 – Propanol)</td>
<td>67-63-0</td>
<td>63</td>
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</tbody>
</table>

3. HAZARDS IDENTIFICATION

Principle routes of exposure:
- Oral: Can irritate the tissues of mouth, oesophagus, and other tissues of the digestive system. Symptoms of over exposure can include vomiting, diarrhea and nausea.
- Eye contact: Severe irritant to the eyes.
- Skin contact: May cause skin irritation in sensitized individuals.
- Ingestion: Ingestion of this material may cause nausea, vomiting and diarrhea.
- Inhalation: Inhalation of mist or vapors may be severely irritating to the nose and throat.
- Physico – chemical properties: This product may cause eye, skin or respiratory irritation.

4. FIRST AID MEASURES

- Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
- Ingestion: Wash mouth and throat immediately with plenty of water and seek medical attention.
- Inhalation: Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.
- Skin contact: Not harmful. Discontinue if skin is sensitive.

5. FIRE – FIGHTING MEASURES

- Flash point (°C): Not determined.
- Autoignition temperature: Not determined.
- Flammable limits in air - lower (%): Not determined.
- Fire fighting information:
  - Suitable extinguishing media: Use water, dry chemical, carbon dioxide or chemical foam.
  - Extinguishing media which must not be used for safety reasons: None.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid inhalation of mist or vapours. Wear eye protection if necessary.

Environmental precautions: No special environmental precautions required.

Methods for cleaning up: Flush with plenty of water.

7. HANDLING AND STORAGE

Handling:
- Technical measures/precautions: No special technical protective measures required.
- Safe handling advice: Avoid breathing vapours or mist. Avoid contact with eyes.

Storage:
- Technical measures/storage conditions: Store at R. T. away from heat and light.
- Incompatible products: Avoid contact with strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection: Safety glasses required.
Hand protection: Not required.
Skin and body protection: Not required.
Respiratory protection: Not required.
Other/general protection: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Physical state: Liquid
Colour: Dark Green
pH: 7.0 – 8.0
Odour: Alcoholic
Water Miscibility (2:1): Miscible (Clear solution)

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Hazard polymerization: Hazardous polymerization does not occur.
Hazardous decomposition products: Unknown on product.
Materials to avoid: Strong acids and bases.
Conditions to avoid: Direct exposure to heat and sunlight.

11. TOXICOLOGICAL INFORMATION

Local effects:
- Oral: Unknown on product.
- Eye irritation: Severe irritant to the eye.
- Skin irritation: May cause skin irritation in sensitized individuals.
- Inhalation: Inhalation of mist or vapours may cause irritation to the nose and throat.
Chronic toxicity

Oral : Not determined.
Inhalation : Not determined.
Dermal : Not determined.

Specific effects

Corrosive effects : Not determined.
Target organ effects : Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects : This product has no known eco – toxicological effects.
Aquatic toxicity effects : This product has no known aquatic toxicological effects.
Mobility : Unknown on product.
Persistence / degradability : Unknown on product.
Bioaccumulation : Unknown on product.
Degradation : Unknown on product.

13. DISPOSAL CONSIDERATIONS

This product may be disposed off in accordance with the regulations laid down by the local regulatory authority.

14. TRANSPORT INFORMATION

DOT : Not Applicable
IATA/ICAO : Not Applicable

15. REGULATORY INFORMATION

CAS No. : Not applicable.
Labeling : For External Use Only.
Safety Phrases : Avoid contact with the mucous membrane. In case of contact, wash immediately with plenty of water and seek medical attention.

16. OTHER INFORMATION

Additional advice : None
Literary Reference : None

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