



## Material Safety Data Sheet

**Product : BIOSCRUB**

### 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 :** BIOSCRUB

**Synonyms :** Antiseptic Surgical Scrub Solution

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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

| Components  | CAS Number | Weight %           |
|---|------------|--------------------|
| Chlorhexidine Gluconate Solution<br>(Equivalent to Chlorhexidine Gluconate) | 18472-51-0 | 20 % v/v (4 % w/v) |

### 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.



- Special protective equipment for firefighters** : Wear self-contained breathing apparatus for fire fighting if necessary.
- Hazardous combustion products** : Carbon dioxide and carbon monoxide

## 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** : Orange
- pH** : 5.0 – 6.0
- Odor** : Pleasant
- Water solubility** : Completely Soluble

## 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

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**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** : None  
**IATA/ICAO** : None

**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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**End of Safety Data Sheet**

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