



## Material Safety Data Sheet

**Product : ZYTALL**

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

**Manufacturer :**

BIOSHIELDS  
A Division of Coral Clinical Systems  
M – 46 / 47 , Phase III B ,  
Verna Industrial Estate , Verna – Goa .  
403 722 INDIA

**Product name :** ZYTALL

**Synonyms :** Personal Care Antiseptic 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 %
Benzalkonium Chloride Solution	8001-54-5	4.0

### 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 :** Prolonged exposure may be irritating in some individuals.

**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 :** Wash with plenty of water. Seek medical attention if required.

### 5. FIRE – FIGHTING MEASURES

**Flash point (°C) :** Not determined.

**Autoignition temperature :** Not determined.

**Flammable limits in air - lower (%) :** Not determined.

<b>Fire fighting information</b>	:	
<b>Suitable extinguishing media</b>	:	Use water, dry chemical, carbon dioxide or chemical foam.
<b>Extinguishing media which must not be used for safety reasons</b>	:	None.
<b>Special protective equipment for firefighters</b>	:	Wear self-contained breathing apparatus for fire fighting if necessary.
<b>Hazardous combustion products</b>	:	Carbon dioxide and carbon monoxide

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	:	Avoid inhalation of mist or vapours. Wear eye protection if necessary.
<b>Environmental precautions</b>	:	Prevent the product from reaching waterways and/or from dispersing in the soil.
<b>Methods for cleaning up</b>	:	Keep in check and absorb the residue with inert material.

## 7. HANDLING AND STORAGE

<b>Handling :</b>		
<b>Technical measures/precautions</b>	:	No special technical protective measures required.
<b>Safe handling advice</b>	:	Avoid breathing vapours or mist. Avoid contact with eyes and skin.
<b>Storage :</b>		
<b>Technical measures/storage conditions</b>	:	Store at R. T. away from heat and light.
<b>Incompatible products</b>	:	Avoid contact with strong oxidizing agents and anionic surfactants.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Eye protection</b>	:	Safety glasses required.
<b>Hand protection</b>	:	Rubber or PVC gloves.
<b>Skin and body protection</b>	:	Not required.
<b>Respiratory protection</b>	:	Not required.
<b>Other/general protection</b>	:	Not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	:	Clear liquid
<b>Physical state</b>	:	Liquid
<b>Colour</b>	:	Light Green
<b>pH</b>	:	5.0 – 6.0
<b>Odor</b>	:	Pleasant
<b>Water solubility</b>	:	Completely Soluble

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	:	Stable under recommended storage conditions.
<b>Hazard polymerization</b>	:	Hazardous polymerization does not occur.
<b>Hazardous decomposition products</b>	:	Unknown on product.
<b>Materials to avoid</b>	:	Anionic surfactants.
<b>Conditions to avoid</b>	:	None.

## 11. TOXICOLOGICAL INFORMATION

### Local effects

- Oral** : Not determined.  
**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.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

- Ecotoxicity effects** : Not determined.  
**Aquatic toxicity effects** : Prevent the product from reaching surface or underground water.

## 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

- 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**