



Material Safety Data Sheet

Product : ZYTALL

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 : 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	% (w/v or v/v)
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.

Fire fighting information :

Suitable extinguishing media : Use water, dry chemical, carbon dioxide or chemical foam.

Extinguishing media which must not : None.

be used for safety reasons

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- 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** : Prevent the product from reaching waterways and/or from dispersing in the soil.
- Methods for cleaning up** : Keep in check and absorb the residue with inert material.

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 and skin.

Storage :

- Technical measures/storage conditions** : Store at R. T. away from heat and light.
- Incompatible products** : Avoid contact with strong oxidizing agents and anionic surfactants.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye protection** : Safety glasses required.
- Hand protection** : Rubber or PVC gloves.
- 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** : Light Green
- pH** : 5.0 – 6.0
- Odour** : Pleasant
- Water Miscibility** : 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** : Anionic surfactants.
- Conditions to avoid** : 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.

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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