



Material Safety Data Sheet

Product : TOTASEP

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 : TOTASEP

Synonyms : Disinfectant For Hospitals, Hotels And Food Industry

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)
Polyhexamethylene biguanide	50641 – 36 – 6	3.0
Didecyl dimethyl ammonium chloride	7173 – 51 – 5	10.0

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 : 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

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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** : 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** : Wear latex gloves while handling.
- 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** : Colourless.
- PH** : 6.5 – 7.5
- 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** : 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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