



Material Safety Data Sheet

Product : DISFIS

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 : DISFIS

Synonyms : Alkyl Dimethyl Benzyl Ammonium chloride and Alkyl Dimethyl Ethylbenzyl Ammonium Chloride Disinfectant for Surface and Environment.

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)
N-Alkyl Dimethyl Benzyl Ammonium chloride (C12 - C18)	68391-01-5	2.37
N-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12 - C14)	68956-79-6	2.37

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 :** Corrosive to the eyes and may cause severe damage including blindness.
- Skin contact :** May cause skin irritation and possible burns.
- Ingestion :** Ingestion of this material may cause gastrointestinal irritation nausea, vomiting and diarrhea.
- Inhalation :** Inhalation of mist or vapors may be severely irritating to the nose, throat and lungs.

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 soap and water. Remove contaminated clothing and wash before re – use. Consult a physician if skin redness or irritation persists.

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.

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- Special protective equipment for firefighters** : Wear self-contained breathing apparatus for fire fighting if necessary.
- Hazardous combustion products** : Unknown on product.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid inhalation of mist or vapours. Wear eye protection if necessary.
- Environmental precautions** : 1. Water Spill: Avoid discharges into open waterways.
2. Land Spill: Avoid discharge to soil.
- Methods for cleaning up** : Isolate spill or leak area immediately. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

7. HANDLING AND STORAGE

Handling :

- Technical measures/precautions** : No special technical protective measures required.
- Safe handling advice** : Use only in well-ventilated areas. Avoid breathing vapors or mist.
Avoid contact with skin and eyes. Eye and skin protection recommended. Wear chemical resistant gloves.

Storage :

- Technical measures/storage conditions** : Store at R. T. away from heat and light. Store in area inaccessible to children.
- Incompatible products** : Avoid contact with strong acids, bases and oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye protection** : Chemical splash goggles and full face-shield.
- Hand protection** : Wear latex gloves while handling.
- Skin and body protection** : Rubber or other chemical resistant gloves. Chemical resistant outer wear (Tyvek) if contact with spray or mist is anticipated.
- Respiratory protection** : Wear NIOSH approved respiratory protection for mist.
- Other/general protection** : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear Liquid
- Physical State** : Liquid
- Colour** : Wine Red
- pH** : 8.5 – 9.5
- 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, bases and oxidizers.
- Conditions to avoid** : Direct exposure to heat, sunlight and oxidizing materials.



11. TOXICOLOGICAL INFORMATION

Local effects

Oral	: Unknown on product.
Eye irritation	: Severe irritant and corrosive 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	: 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