Umendra Life Sciences Pvt. Ltd.

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name	**Benzalkonium chloride Lotion Soap**
Company Name (Supplier of SDS)	Umendra Lifesciences Private Limited
Address	Survey No.211,Nalsarovar Road,Hasannagar Bus Stand Bavla-Ahmedabad-382220,Gujarat-India
Contact	+91 11 26234510
Emergency Contact	AUSTRIA +43 1 406 43 43; CZECH REPUBLIC +42 2 2491 9293 or +42 2 2491 5402; GERMANY +49 231 9071 2971; UNITED KINGDOM: 0344-8920111 (medical professionals only), 111 (for use only in England / Scotland), 0845 4647 (for use only in Wales), (01) 809 2566 (medical professionals only in Ireland), (01) 809 2166 (8 am to 10 pm, for use only in Ireland by medical professionals.
Relevant Use	For hand washing to decrease bacteria on the skin, recommended for repeated use and for body wash to help reduce bacteria that can potentially cause disease.

2. HAZARD IDENTIFICATION

Non – Hazardous product & Non Dangerous goods

Below section only applies to the particular Ingredient used in Composition.

Classification of substance or mixture	OSHA HCS (29 CFR 1910.1200) - GHS Classification Not classified as dangerous for supply/use.

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Physical Hazards	Not Classified
Health Hazards	No hazards which require special first aid measures.
OSHA defined hazards	Not Classified
Label Elements	
Signal Word	Warning
Hazard Statement	H302 - Harmful if swallowed. H315 - Causes skin irritation. H318 - Causes serious eye damage. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statement	P264 - Wash face, hands and any exposed skin thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves and eye/face protection.
Other Hazard	No other hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTs	Percentage	CAS Number
Benzalkonium chloride	0.1	8001-54-5

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4. FIRST AID MEASURES

Inhalation	No hazards which require special first aid measures.
Skin Contact	No hazards which require special first aid measures.
Eye Contact	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Self -protection of the first aider	No hazards which require special first aid measures.

5. FIRE FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media	None known.
Special Hazards arising from product	Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.
Advice for fire - fighters	Self- contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedure	Not required under normal use. No conditions to be specially mentioned.
Environmental Protection	Local authorities should be advised if significant spillages cannot be contained.
Method and Material for containment and cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations .

7. HANDLING AND STORAGE

Precaution for safe handling	Keep in a dry, cool and well-ventilated place.
Conditions for Safe storage, including any incompatibilities	Store in a cool and dry place away from direct sunlight. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameter

Occupational exposure limits	Not available
Biological limit values	Not available

Exposure control

Appropriate engineering controls	Good general ventilation should be used. Provide eye wash station and Safety shower. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	

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Eye/ face protection	Not normally needed during normal use. If necessary, refer to U.S. OSHA
Skin protection	Not normally needed during normal use. For situations in which prolonged skin contact is anticipated, double glove, using latex, nitrile, or rubber gloves. Check gloves for leaks. Wash hands before putting on gloves and after removing gloves. Gloves should cover the gown cuff.
Respiratory protection	Not normally needed during normal use. A respirator is not required for routine conditions of use of this product. If respiratory protection is needed use Chemical respirator with organic vapor cartridge.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	No information available.
Odor	:	No information available.
Odor Threshold	:	No information available.
pH	:	4.5
Melting point/freezing point	:	No information available.
Boiling point/boiling range	:	No information available.
Evaporation rate	:	No information available.
Burning rate	:	No data available

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Relative vapor density	:	No information available.
Relative density	:	No information available.
Density	:	No data available
Solubility(ies) Water solubility	:	No information available.
Partition coefficient: n-octanol/water	:	No information available.

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Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : No information available.

Explosive properties : No data available

Oxidizing properties : No data available

10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : The product is chemically stable.

Conditions to avoid : Not applicable

Incompatible materials : None.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

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Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Components:

Glycerol:

Acute oral toxicity : LD50 Oral (Mouse, male): 23,000 mg/kg

Method: Acute toxicity

estimate GLP: no

Benzalkonium Chloride:

Acute oral toxicity : LD50 (Rat): 240 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result : No skin irritation

Components:

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Betaines, C12-14-alkyldimethyl:

Result : Irritating to skin.

Benzalkonium Chloride:

Result : Causes burns.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation

Components:

Benzalkonium Chloride:

Result : Risk of serious damage to eyes.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

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Remarks : No data available

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

Product:

Remarks : No data available

STOT-repeated exposure

Not classified based on available information.

Product:

Remarks : No data available

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Aspiration toxicity

Not classified based on available information.

Product:

No data available

Toxicity	This product may be harmful to contaminated terrestrial and aquatic plant and animal life, especially in large quantities.
Persistence and degradability	This product has not been tested for persistence or biodegradability.
Bio accumulative potential	No Data available
Mobility in soil	This product has not been tested for soil absorption or mobility.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	**DISPOSAL METHODS:** It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste per regulations of the area in which the waste is generated and/or disposed of. **DISPOSAL CONTAINERS:** Waste materials must be placed in and shipped in appropriate 5-gallon or 55-gallon poly or

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metal waste pails or drums.

PRECAUTIONS TO BE FOLLOWED DURING WASTE HANDLING: Wear proper protective equipment when handling waste materials.

14. TRANSPORT INFORMATION

Non- Dangerous product

Land Transport (ADR/RID)	Non-regulatory
Inland waterway transport (AND)	Non-regulatory
Sea Transport (IMDG)	Non-regulatory
Air transport (ICAO – TI / IATA – DGR)	Non-regulatory

15. REGULATORY INFORMATION

OSHA	Specifically regulated substances (29 CFR1910. 1001-1053)
CERCLA	Hazardous Substances List (40 CFR 302.4): None
SARA	304 Emergency release notification: Not regulated

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16. OTHER INFORMATION

Date of preparation or Last revision of SDS April 2025

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