

SAFETY, HEALTH & ENVIRONMENT**MATERIAL SAFETY DATA SHEET**

Doc. no.: DSSH-10-CLB-00

DECEMBER 2011

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TITLE**Labsept 4%****1. Identification of the Product and Company**

Product Name	Labsept 4%
Product Code	CLB
Other names	Chlorhexidine Gluconate solution.
Use	An antimicrobial scrub, surgical hand scrub and body wash.
Company Name & Contact Details	Dishman Pharmaceutical & Chemical Ltd. Bhadr-raj chambers, Swastik Cross Roads, Navrangpura, Ahmedabad, India Tel: +91 (0) 79 26443053 Fax: +91 (0) 79 26420198 Dishman Pharmaceutical & Chemical Ltd. Survey No. 47, Paiki Sub Plot No. 1, Vill. : Lodariyal, Tal. : Sanand, Dist. : Ahmedabad – 382220 (India) Tel: +91 (0) 2717 287192-94 Fax: +91 (0) 2717 287195

2. Hazards Identification

Hazard classification	NON-HAZARDOUS PRODUCT NON-DANGEROUS GOOD
Risk Phrases(s)	None under normal operation conditions.
Safety Phrases	S39 : Wear eye/face protection. S26: In case of contact with eyes rinse immediately with plenty of water & seek medical advice.

3. Composition/Information on ingredients

Chemical Entity	CAS No.	Proportion
Water	7732-18-5	>40%
Chlorhexidine Gluconate	18472-51-0	4.00%
Isopropyl alcohol	67-63-0	0 – 10%
Cellulose	9004-62-0	0 – 10%
Fragrance	Not found	0 – 10%
Colour		0 – 10%

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Glycerin	56-81-5	0 – 10%
Polyol Coconut Fatty acid Ester	68201-46-7	0 – 10%
Ethoxylated Alkyl Phenol	9016-45-9	0 – 20%
2-Phenoxy Ethanol	122-99-6	0 – 10%

4. First Aid Measures**Inhalation**

If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

Ingestion

If material is swallowed, get medical attention or advice. If swallowed do not induce vomiting. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

Skin

No adverse effects anticipated from normal use. Concentrate and diluted solution is readily removed with water. Seek medical attention in event of irritation.

Eyes

If this product comes in contact with the eyes, wash out immediately with fresh running water. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Advice to Doctor

Treat symptomatically. If respiration is depressed, assisted respiration may be necessary.

5. Fire Fighting Measures**Specific Hazards**

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Hazards from Combustion Products

On thermal decomposition: oxides of carbon, nitrogen oxides (Nox), other pyrolysis products typical of burning organic material.

Precautions & Equipments for Fire Fighters

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

HazChem Code

None.

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6. Accidental Release Measures

Spills and Disposal

Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. In case of large spills, wear protective clothing to prevent skin & eye contact and inhalation of vapors. Contain & absorb using inert material such as sand, earth, vermiculite where appropriate. Collect and seal in properly labeled containers for disposal. Wash area down with excess water.

7. Handling and Storage

Safe handling practices

Wash thoroughly after handling. Use in well-ventilated area. Avoid eye contact and prolonged inhalation of vapors. When handling do not eat, drink or smoke. Avoid physical damage to containers. Use good occupational work practice. Observe manufacture's storing and handling recommendations.

Storage

Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacture's storing and handling recommendations.

8. Exposure Controls; Personal Protection

Exposure limits

There are no known exposure limits for this product but the following Threshold limit values (TLV) for isopropyl alcohol should be used: isopropyl alcohol TLV 400ppm (983 mg/m³)TWA. OSHA & ACGIH; 400ppm STEL. The following materials had no OELs on our records.
Chlorhexidine gluconate : CAS : 18472-51-0
Cellulose : CAS : 9004-62-0
Glycerin : CAS : 56-81-5
Polyol Coconut Fatty acid Ester : CAS : 68201-46-7
Ethoxylated Alkyl Phenol : CAS : 9012-45-9
2-Phenoxy Ethanol : CAS : 122-99-6
Water : CAS : 7732-18-5

Engineering Controls

General exhaust is adequate under normal operating conditions. Correct fit is essential to obtain adequate protection. Provide adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Avoid

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creation of aerosols. Local and or mechanical (general) exhaust, fitted with flame and explosion proof electrical fittings.

Personal Protection

Obey reasonable safety precautions and practice good housekeeping.

9. Physical & Chemical Properties

Appearance & Odour	Red coloured viscous liquid with characteristic phenolic odour.
pH	5.5 - 7.5
Vapour Pressure	Not available
Vapour Density	Not available
Boiling Point	Not available
Freezing/Melting Point	Not available
Solubility	Soluble in water.
Specific Gravity / Density	0.900 – 1.100 gm/ml
Flash Point	Not available
Viscosity	1500 – 3500 cps [using spindle: 3, RPM : 30]

10. Chemical Stability & Reactivity Information

Conditions Contributing to instability	Stable under usual application conditions.
Hazardous Polymerization	Hazardous polymerization will not occur.
Incompatible Materials	Keep away from incompatible materials.
Conditions to avoid	High temperature.
Hazardous Decomposition products	On thermal decomposition oxides of carbon, nitrogen oxides (Nox), other pyrolysis products typical of burning organic material.

11. Toxicological Information

Inhalation	Not normally a hazard due to non-volatile nature of product. The material is not thought to produce adverse health effects or irritation of the respiratory tract.
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TITLE**Labsept 4%****Ingestion**

The material has not been classified by EC directives or other classification systems as "harmful by ingestion". In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Skin

Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the not considered to cause discomfort through normal use.

Eye

The materials may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

Acute toxicity

Toxicity : Not available. Refer to individual constituents.

Acute toxicity (for Isopropyl Alcohol)

Oral, rat: LD50 = 5045 mg/kg
Inhalation, rat: LC50 = 16000 ppm/8H

Acute toxicity (for Chlorhexidine gluconate)

Oral, rat: LD50 = 2000 mg/kg

Acute toxicity (for Glycerin)

Oral, rat: LD50 = 12600 mg/kg
Inhalation, rat: LC50 = >570 mg/m³/1H

Acute toxicity (for Ethoxylated alkyl phenol)

Oral, rat: LD50 = 4 gm/kg

Acute toxicity (for 2-Phenoxy ethanol)

Oral, rat: LD50 = 1260 mg/kg

Acute toxicity (for Water)

Oral, rat: LD50 = >90 mL/kg

Acute toxicity (for others)

No significant acute toxicological data identification in literature search for cellulose, polyol coconut fatty acid ester.

12. Ecological Information

Do not discharge into sewer or waterways. Refer to data for ingredients, which follows :

Persistence & Degradability:

No data available.

Ecotoxicity (for Isopropyl Alcohol)

Fish: Fathead Minnow: >1000 ppm; 96h; LC50Daphnia: >1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h;

Ecotoxicity (for Glycerin)

LC50 (96 Hr.) rainbow trout = 50-67 mg/L; 12 degrees
CLC50 (96 Hr.) goldfish = >5000 mg/L

Ecotoxicity (for Ethoxylated alkyl phenol)

Fish: Fathead Minnow: 2.0 mg/ml; 144h
LC50 Bluegill: 1.0 – 9.7 mg/ml; 96h.

Ecotoxicity (for Ethoxylated

LC50 Golden orfe: 100 mg/l; 96h;

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alkyl phenol)

Ecotoxicity (for others)

No significant Ecotoxicity data identification in literature search for cellulose, Chlorhexidine gluconate, water, polyol coconut fatty acid ester.

13. Disposal Considerations

Disposal Methods & Containers:

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transport Information

UN Number

Not regulated.

UN Proper Shipping Name

Not regulated for transport of dangerous goods.

DG Class & Subsidiary Risk

Not dangerous goods.

Packing Group

Not regulated.

HazChem Code

None

15. Regulatory Information

Not classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons.

16. Other Information

Legal disclaimers :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. **DISHMAN PHARMACEUTICALS & CHEMICALS LTD** shall not be held liable for any damage from handling or from contact with the above product.