

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

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

DECEMBER 2011

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TITLE**Labsept Surface Cleaner****1. Identification of the Product and Company**

Product Name	Labsept surface cleaner
Product Code	BLA
Other names	Benzalkonium chloride solution.
Use	As floor cleaner.
Company Name & Contact Details	Dishman Pharmaceutical & Chemical Ltd. Bhadra-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 GOODS
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	>50%
Benzalkonium Chloride Solution	8001-54-5	4%
Isopropyl alcohol	67-63-0	0 – 10%
Ethoxylated Alkyl Phenol	9016-45-9	0 – 10%
Preservative	99-76-3	0 – 10%
Preservative	94-13-3	0 – 10%

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Fragrance	Not available	0 – 10%
Dye		0 – 10%
Sodium hydroxide	1310-73-2	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), chloride and 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.

6. Accidental Release Measures

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TITLE**Labsept Surface Cleaner****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 and sodium hydroxide should be used:

Isopropyl alcohol [67-63-0]:

TLV : 400ppm (983 mg/m³)TWA.

ACGIH : 200ppm TWA & 400ppm STEL.

OSHA : 400ppm TWA & 980 983 mg/m³ TWA.

Sodium hydroxide [1310-73-2]:

ACGIH : 2 mg/m³ Ceiling.

OSHA : 2 mg/m³ TWA.

The following materials had no OELs on our records.

Benzalkonium Chloride : CAS : 8001-54-5

Ethoxylated Alkyl Phenol : CAS : 9012-45-9

Water : CAS : 7732-18-5

Preservative : CAS : [99-76-3]

Preservative : CAS : [94-13-3]

Engineering Controls

General exhaust is adequate under normal operating conditions. Correct fit is essential to obtain adequate

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protection. Provide adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Avoid 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	Yellow coloured solution with characteristic citrus odour.
pH	8.0 - 10.0
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	Not available

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), chloride and 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
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or irritation of the respiratory tract.

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 Benzalkonium chloride)

Oral, rat: LD50 = 240 mg/kg

Acute toxicity (for Ethoxylated alkyl phenol)

Oral, rat: LD50 = 4 gm/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 sodium hydroxide and preservatives.

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 Ethoxylated alkyl phenol) Fish: Fathead Minnow: 2.0 mg/ml; 144h
LC50 Bluegill: 1.0 – 9.7 mg/ml; 96h.
LC50 Golden orfe: 100 mg/l; 96h;

Ecotoxicity (for Benzalkonium chloride) Reported data for BKC chlorides show very high toxicity to fish, algae, crustaceans and bacteria, with LC50, EC50 and IC50 typically < 1mg/L.

Ecotoxicity (for others) No significant Ecotoxicity data identification in literature search for water, sodium hydroxide and preservatives.

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TITLE**Labsept Surface Cleaner****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.