

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

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

DECEMBER 2011

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TITLE**Labsept Hand Sanitizer****1. Identification of the Product and Company**

Product Name	Labsept hand sanitizer
Product Code	MLA
Other names	Mecetronium Ethyl Sulphate solution.
Use	For Hygienic Hand Sanitization.
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	HAZARDOUS PRODUCT DANGEROUS GOODS
Risk Phrases(s)	R11: Highly flammable R36/37/38: Irritant by eye, respiratory system and skin. R41: Risk of serious damage of eyes. R67: Vapors may cause drowsiness & dizziness.
Safety Phrases	S7: Keep containers tightly closed. S16: Keep away from sources of ignition. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes rinse immediately with plenty of water & seek medical advice. S33: Take precautionary measures against static discharges. S39: Wear eye/face protection.

3. Composition/Information on ingredients

Chemical Entity	CAS No.	Proportion
Water	7732-18-5	<30%
Mecetronium Ethyl Sulphate	3006-10-8	0.2%
Isopropyl alcohol	67-63-0	45%

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1-Propanol	71-23-8	30%
Glycerin	56-81-5	0 – 10%
Fragrance	Not found	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. Seek medical advice.
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	Flammable solution. May form flammable mixtures with air. Vapor is heavier than air and may travel along the ground. Distant ignition is possible. Run off to sewers and drains may cause explosions. Avoid all ignition sources.
Extinguishing Media	Dry chemical powder, Alcohol stable foam, carbon dioxide, water spray or 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	3[Y]E

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Eliminate all possible sources of ignition- no smoking. Take precautionary measures against static discharges. Ventilate area well. 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. Use a spark-proof tool. Use water spray to dilute spill to a non-flammable mixture.

7. Handling and Storage**Safe handling practices**

Wash thoroughly after handling. Use in well-ventilated area. Avoid smoking, naked lights or ignition sources. Avoid generation of static electricity. Earth all lines and equipment. Use spark-free tools when handling. Avoid contact with incompatible materials. 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.

Storage

Store in original containers in approved flame-proof area. No smoking, naked lights, heat or ignition sources. Do not store in pits, depressions, basements or areas where vapours may be trapped. Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Store below 25 degree centigrade.

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 n-Propanol 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.

n-Propanol [71-23-8]:

TLV : 200 ppm TWA; 500 mg/m³ TWA

ACGIH : 100ppm TWA

OSHA : 200ppm TWA & 500 mg/m³ TWA.

The following materials had no OELs on our records.

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Mecetronium Ethyl Sulphate : CAS : 3006-10-8

Glycerin : CAS : 56-81-5

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 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**

Clear colourless to pale yellow solution with characteristic odour.

pH

5.0 - 7.0

Vapour Pressure

Not available

Vapour Density

Not available

Boiling Point

Not available

Freezing/Melting Point

Not available

Solubility

Soluble in water.

Specific Gravity / Density

0.800 – 0.900 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

Light, ignition sources, excess heat, exposure to moist air or water.

Hazardous Decomposition products

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

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materials.

11. Toxicological Information

Inhalation	Irritation to respiratory tract and mucous membranes.
Ingestion	Likely to cause irritation to digestive tract.
Skin	May cause skin irritation.
Eye	Likely to cause irritation to eyes.
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 n-Propanol)	Oral, rat: LD50 = 1870 mg/kg Oral, rabbit: LD50 = 2825 mg/kg
Acute toxicity (for Glycerin)	Oral, rat: LD50 = 12600 mg/kg Inhalation, rat: LC50 = >570 mg/m ³ /1H
Acute toxicity (for Water)	Oral, rat: LD50 = >90 mL/kg
Acute toxicity (for others)	No significant acute toxicological data identification in literature search for Mecetronium ethyl sulphate.

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 n-Propanol)	Toxicity to fish LC50 Pimephales promelas: 4,480 mg/l; 96 h
Ecotoxicity (for Glycerin)	LC50 (96 Hr.) rainbow trout = 50-67 mg/L; 12 degrees CLC50 (96 Hr.) goldfish = >5000 mg/L
Ecotoxicity (for others)	No significant Ecotoxicity data identification in literature search for Mecetronium ethyl sulfate and water.

13. Disposal Considerations

Disposal Methods & Dispose of in a manner consistent with federal, state, and

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TITLE**Labsept Hand Sanitizer****Containers:** local regulations.**14. Transport Information**

UN Number UN1987
UN Proper Shipping Name Alcohols N.O.S.(contains n-Propanol & Isopropyl alcohol)
DG Class & Subsidiary Risk 3
Packing Group II
HazChem Code 3[Y]E

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.