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Date: 01.12.2017

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Name of Commodity	Savlon Antiseptic Liquid
Proper Shipping Name	Environmentally hazardous substance, liquid, N.O.S. (contains chlorhexidine gluconate solution IP and capolene IH and benzyl benzoate IP)
Address	ITC Limited 37, J.L. Nehru Road, Kolkata 700 071 (INDIA).
Telephone	(+91-33) 2288 9371
Document No	ITC/PCPB/RA/DP/001-01

2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients/Components	Concentration	CAS No
Actives		
Chlorhexidine Gluconate Solution IP	1.5% v/v	18472-51-0
Strong Cetrimide Solution BP equivalent to Cetrimide IP	3.0%w/v	8044-71-1
Excipients		
Isopropyl Alcohol IP	4.0 %v/v	67-63-0
Terpineol BP	< 1 %w/v	8006-39-1
Capolene IH	< 1 %w/v	586-62-9
Benzyl Benzoate IP	< 1 %w/v	120-51-4
Tartrazine IH	< 1 %w/v	1934-21-0
F D & C Yellow No. 6 IH	< 1 %w/v	2783-94-0
1% Sodium Hydroxide	QS to adjust pH	1310-73-2
10% D-Gluconolactone	QS to adjust pH	90-80-2
Purified water	QS to 100% w/w	7732-18-5

3. HAZARDS IDENTIFICATION

a. Eyes	The undiluted solution may irritate the eyes
b. Skin	Not considered an irritant through normal use. In rare cases skin contact may cause sensitization and allergic reaction after repeated application.
c. Ingestion	Possibly harmful if swallowed. Ingestion may result in nausea, abdominal irritation, pain & diarrhoea.
d. Inhalation	Not normally a hazard due to the non-volatile nature of the product.

4. FIRST AID MEASURES:

Contact a Physician in the event of an incident.

Skin contact	Rinse with running water and wash with soap. Remove contaminated clothing immediately. Consult a physician if symptoms persist
Eye contact	Wash the eye with clean water and do not rub the eyes. If irritation persists, consult a physician.
Inhalation	Unlikely to occur as the substance is a liquid. In case of inhalation of the liquid, consult a physician.
Ingestion	Treat as accidental poisoning. Consult a physician immediately. Wash mouth with water. Do not induce vomiting.
Notes to Physician	Treat Symptomatically, However following points may be referred as notes only. For exposure to quaternary ammonium compounds:- 1. For ingestion of concentrated solutions (10% or higher); Swallow promptly a large quantity of milk, egg whites / gelatine solution. If not readily available, a slurry of activated charcoal may be useful. Avoid alcohol. Because of probable mucosal damage omit gastric lavage & Emetic drugs. 2. For dilute solutions (2% or less); If little or no emesis appears spontaneously, administer syrup of Ipecac or perform gastric lavage. 3. If hypotension becomes severe, institute measures against Circulatory shock.

4. If respiration laboured, administer oxygen & support Breathing mechanically. Oropharyngeal airway may be inserted in absence of gag reflex. Epiglottis or laryngeal oedema may necessitate a tracheotomy.
5. Persistent convulsions may be controlled by cautious intravenous injection of Diazepam or short-acting barbiturate Drugs. (Glosselin et al, Clinical Toxicology of Commercial Products)
6. Physician to treat symptomatically.

5. FIRE FIGHTING INFORMATION

Specific Dangers

Non-combustible, Not considered to be a significant fire risk. Expansion or decomposition of heating may lead to violent rupture of containers.

Decomposes on heating & may produce toxic fumes of Carbon monoxide (CO)

May emit acrid smoke.

Other decomposition products include carbon dioxide (CO₂), Nitrogen oxides (NO_x), Chlorides & Hydrogen bromide

6. ACCIDENTAL RELEASE MEASURES

Minor Spills

Clean up all spills immediately. Avoid breathing vapours & contact with skin & eyes. Control personal contact by using protective equipment. Contain & absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labelled container for waste disposal.

Major spill

Minor hazard. Clear area of personnel. Alert Fire brigade & tell them location & nature of hazard. Control personal contact by using protective equipment as required.

Prevent spillage from entering drains or waterways

Contain spill with sand, earth or vermiculite.

Absorb product with sand, earth or vermiculite and place in appropriate containers for disposal.

7. HANDLING & STORAGE

Suitable container	Poly Ethylene Terephthalate (PET) plastic bottle
Storage incompatibility	Not Known
Storage requirement	Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Protect containers against physical damage & Check regularly for leaks Observe manufacturer's storing and handling recommendations Put on Cap tightly every time after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards	None assigned
Specific Engineering Controls	None under normal operating conditions
Personal protection	
Eye	No special equipment for minor exposure, that is when handling small quantities Otherwise: Safety glasses with side shields. Contact lenses pose a special hazard: Soft lenses may absorb irritants & tall lenses concentrate them
Hands/Feet	No Special equipment needed when handling small quantities. Otherwise: Wear chemical protective gloves, e.g. PVC
Other	Overalls Eyewash unit

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odour and Appearance	A clear orange color solution with characteristic odour
Odour Threshold (ppm)	Not available
Specific Gravity	0.9928-0.9986
Vapour Density (air = 1)	Not available
Vapour Pressure (mmHg)	Not available
Evaporation Rate	Not available
Boiling Point (°C):	Not available
Freezing Point (°C)/ Melting point	Not available

pH	6.00-8.00
Coefficient of Water/Oil Distribution	Not available
Solubility	Soluble in water and alcohol
Other data (relevant to safety):	Not available

10. STABILITY AND REACTIVITY

Product is considered stable under normal use conditions

11. TOXICOLOGICAL INFORMATION

Acute health effects:

- | | |
|---------------|---|
| a. Eyes | The undiluted solution may irritate the eyes |
| b. Skin | Not considered an irritant through normal use. In rare cases skin contact may cause sensitization and allergic reaction after repeated application. |
| c. Ingestion | Possibly harmful if swallowed. Ingestion may result in nausea, abdominal irritation, pain & diarrhoea. |
| d. Inhalation | Not normally a hazard due do the non-volatile nature of the product. |

The toxicity of this product is not determined

12. ECOLOGICAL INFORMATION

Eco toxicity of this product has not been determined

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of as pharmaceutical waste, in accordance with local regulations
Packaging Disposal	Dispose in accordance with local regulations

14. TRANSPORT INFORMATION

	
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Marine Pollutant	
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Land transport (UN)	3082	
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S. (contains chlorhexidine gluconate solution IP and Capolene IH and Benzyl benzoate IP)	
Transport hazard class(es)	Class	9
	Subrisk	Not Applicable
Packing group	III	
Environmental hazard	Not Applicable	
Special precautions for user	Special provisions	274; 331; 335; 375
	Limited quantity	5 L

Air transport (ICAO-IATA / DGR)

UN number	3082	
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S. * (contains Chlorhexidine gluconate solution IP and Capolene IH and Benzyl benzoate IP)	
Transport hazard class(es)	ICAO/IATA	Class 9
	ICAO / IATA Subrisk	Not Applicable
	ERG Code	9L
Packing group	III	
Environmental hazard	Not Applicable	
	Special provisions	A97 A158 A197
	Cargo Only Packing Instructions	964
	Cargo Only Maximum Qty / Pack	450 L
	Passenger and Cargo Packing Instructions	964
	Passenger and Cargo Maximum Qty / Pack	450 L
	Passenger and Cargo Limited Quantity Packing Instructions	Y964
	Passenger and Cargo Limited Maximum Qty / Pack	30 kg G

Sea transport (IMDG-Code / GGVSee)

UN number	3082	
UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (contains Chlorhexidine gluconate solution IP and Capolene IH and Benzyl benzoate IP)	
Transport hazard class(es)	IMDG Class	9
	IMDG Subrisk	Not Applicable
Packing group	III	
Environmental hazard	Marine Pollutant	
Special precautions for user	EMS Number	F-A, S-F
	Special provisions	274 335 969
	Limited Quantities	5 L

15. REGULATORY INFORMATION

Labelled as per Regulatory Requirements of India

16. OTHER INFORMATION

Recommended dilutions:

- First Aid: Dilute 1 part Savlon in 15 parts clean water for minor cuts
- Bathing: Dilute 1 spoon (5ml) Savlon in a bucket (10 litres) of water for bathing
- Shaving: Dilute 2 spoons (10ml) Savlon in a mug (350 ml) of water for shaving
- Cloth washing: Dilute 1 spoon (5ml) Savlon in half litre water for cloth washing
- General Disinfection: Dilute 1 spoon (5ml) Savlon in half litre water to wash linen and mop floors

Disclaimer:

This information is offered in good faith and provided without any warranty, expressed or implied regarding its correctness or accuracy. Individual ingredient information is as per Supplier's brochure or information available in public domain. Product information is generated in house.

The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Users of this material bear full responsibility to determine safe conditions for use of this product and to assume liability for any loss damage or expense what so ever arising out of the product improper use.