

MATERIAL SAFETY DATA SHEET

BECTASHIELD 100-A

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : BECTASHIELD 100-A : Antiseptic Concentrate

Use : Liquid Antiseptic (Skin Antiseptic)

Manufacturer name and contact details.

Becta Laboratories

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2. HAZARDS IDENTIFICATION

Acute Health Effects:

Swallowed:	The concentrate is discomforting to the gastro-intestinal tract & may be harmful if swallowed. Ingestion may result in nausea, abdominal irritation, pain & diarrhea.
Eye:	The concentrate is highly discomforting to the eyes & capable of causing a mild, temporary redness of the conjunctiva (similar to wind-burn), temporary impairment of vision and/or other transient eye damage/ulceration.
Skin:	Not considered an irritant through normal use. In rare cases skin contact may cause sensitization & allergic skin reactions after repeated application.
Inhaled:	Not normally hazard due to non-volatile nature of the Product.
Chronic:	Principal route of exposure is usually by skin contact. Prolonged or continuous skin contact with the liquid may cause de-fatting with drying, cracking, irritation & dermatitis following Allergic contact dermatitis may occur due to prolonged skin contact.

3. COMPOSITION / INFORMATION ON COMPONENTS

Substance/preparation:

BECTASHIELD 100-A

Chlorhexidine Gluconate solution (Equiv. to 1.5% w/v of Chlorhexidine Gluconate)	7.5% v/v
Cetrimide IP	15% w/v
Isopropyl Alcohol IP	7% v/v
Colour: Tartrazine	

4. FIRST AID MEASURES

- Swallowed: Rinse mouth out with plenty of water. If swallowed DO NOT induce vomiting. Give water or milk to drink, then raw egg.
- Eye: If this product comes in contact with eyes: immediately hold the eyes open & wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under the eyelids by occasionally lifting upper & lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- Skin: Not normally a risk due to non-irritating nature of the product. If unintended contact occurs, wash skin thoroughly. If irritation continues, seek medical attention.
- Inhaled: If fumes or combustion products are inhaled: Remove to fresh air. Lay patient down. Keep warm & rested. If breathing is shallow or has stopped, ensure clear airway & apply resuscitation. Transport to hospital or doctor.
- Advice to Doctor: For exposure to quaternary ammonium compounds:-
1. For ingestion of concentrated solutions (10% or higher); Swallow promptly a large quantity of milk, egg whites / gelatin 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. Epiglottic or laryngeal edema 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).
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5. FIRE FIGHTING MEASURES

Specific Dangers: Noncombustible. Not considered to be a significant fire risk. Expansion or decomposition on heating may lead to violent rupture of containers. Decomposes on heating & may produce toxic fumes of carbon monoxide (CO)

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 labeled container for waste disposal.

Major Spills: 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. Collect recoverable product into labeled containers for recycling. Absorb remaining product with sand, earth or vermiculite & place in appropriate containers for disposal. Wash area & prevent runoff into drains or waterways. If contamination of drains or waterways occurs, advise emergency services.

7. HANDLING AND STORAGE

Suitable Container:	Plastic bottle.
Storage Incompatibility:	None known.
Storage Requirement:	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials & foodstuff containers. Protect containers against physical damage & check regularly for leaks. Observe manufacturers storing & handling recommendations. Store below 25°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	None assigned.
Engineering Controls:	None under normal operating conditions.
<u>Personal Protection:-</u>	
<u>Eye:</u>	No special equipment for minor exposure; i.e. when Handling small quantities. Otherwise: Safety glasses with side shields. contact lenses pose a special hazard; soft lenses may absorb irritants & all lenses concentrate them.
Hands / Feet:	No special equipment needed when handling small quantities. Otherwise: Wear chemical protective gloves, e.g. PVC

9. PHYSICAL/CHEMICAL/ PROPERTIES

Appearance and Odor	Clear yellow colored liquid. With terpene fragrance
pH	6.5-8
Boiling point	78 – 100 C
Melting point	Not determined
Flash point	24 - 25 C PMCC
Specific gravity	0.95 – 0.98 (water = 1)
Vapour density	Not determined
Volatile organic compounds (VOC) content	Not determined
Evaporation rate	Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under normal use conditions.

Dangerous Reactions: Do not mix with soaps, detergents or other chemicals.
Discard any unused solution.

11. TOXICOLOGICAL INFORMATION

The toxicity of this product has not been determined.

12. ECOLOGICAL INFORMATION

The Eco toxicity of this product has not been determined.

13. DIPOSAL CONSIDERATIONS

Bulk Quantities: Recycle wherever possible or consult manufacturer for recycling options.
Consult land Waste Management Authority for disposal.
Burn residue in an authorized landfill.
Recycle containers where possible, or dispose of in an authorized landfill.

14. TRANSPORT INFORMATION

No restrictions. No restrictions.

15. REGULATORY INFORMATION

Hazardous Substances Regulation: Not hazardous.

16. OTHER INFORMATION

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