

MATERIAL SAFETY DATA SHEET

BECTASHIELD

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : BECTASHIELD : Skin Antiseptic with Chlorhexide Gluconate 2% v/v
2 - Propanol 70% v/v

Product Code: B5

Use : Microbicidal Solution (Skin Antiseptic)

Company name and contact details.

Becta Laboratories

Plot No. 7105/1, G.I.D.C. Sachin. Surat 394230

Phone: 061- 2398719

E mail : becta_laboratories@yahoo.com

2. HAZARDS IDENTIFICATION

The product is not classified as dangerous.

3. COMPOSITION / INFORMATION ON COMPONENTS

Substance/preparation:

Bectashield

Chlorhexidine Gluconate solution I.P. 2% v/v CAS – 18472-51-0

2 - Propanol I.P. 70% v/v CAS – 67-63-0

Purified water I.P

4. FIRST AID MEASURES

Inhalation: Move exposed person to fresh air. Get medical attention if symptoms occur. Ingestion: Wash out mouth with water. Move exposed person to fresh air.

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

Specific treatments: Not available.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

EXPOSURE HAZARDS DURING FIRE

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel Long distance along the ground or floor to an ignition source and flash back.

Unusual Fire and Explosion Hazards

Flammable liquid and vapor.

FIRE FIGHTING PROCEDURS

Wear full protective equipment (Turnout Gear) and a self-contained breathing apparatus (SCBA). Water may not effectively extinguish fire; however, it should be used to keep fire-exposed Containers and surface cool and prevent explosive rupture.

Combustion Products from Fire

Combustion products from fire are listed in section 10,

STABILITY AND REACTIVLY.

Unusual Reaction Hazard

None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by Qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical Spark sources. Use only non-sparking tools. Ventilate area with fresh air. For large spills, or spills in Confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance With good occupational hygiene practice. Warning! A motor could be an ignition source and could Cause flammable gases or vapor in the spill area to burn or explode. Remember, adding an Material does not remove a toxic, corrosively or flammable hazard.

Environmental Procedures

Place in a metal container approved for transportation by appropriates. Dispose of collected Material as soon as possible.

Methods for cleaning up

Refer to other sections of this MSDS for information regarding physical and health hazards, Respiratory protection, ventilation and personal protective equipment. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can Dissolve in water. An Alcohol resistant foam is recommended. Working from around the edges of the Spill inward, cover with bentonite, vermiculite, or commercially available inert absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible Using non-sparking tools. Clean up residue with detergent and water. Seal the container.

7. HANDLING AND STORAGE

Incompatibility - Materials to avoid

Store away from acids. Store away from heat. Store out of direct sunlight. Store away from Oxidizing agents.

Fire Avoidance

No smoking while handling this material

Explosion Avoidance

Keep away from heat, sparks. Open flame. Pilot lights and other sources of ignition.

Static Avoidance

Avoid static discharge.

Precautions for Safe Handling

Avoid eye contact. Keep container tightly closed. Avoid breathing vapours, mists or spray. Avoid Contact with oxidizing agents.

Conditional for Safe Handling

Store away from areas where product may come into contact with food or pharmaceuticals.
Store below 25 Degrees C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ISO PROPYL ALCOHOL

Special information, exposure /protection

The extent to which the following recommendations for exposure control and protection are Observed should depend on risk assessment undertaken for the specification under which this Product is used, including occupational hygiene measurements.

Eye protection

Avoid eye contact

Hand protection

Not applicable

Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to Require respiratory protection.

Prevention of accidental ingestion

Do not ingest. Keep out of the reach of children.

Recommended ventilation

Use in a well ventilated area.

9. PHYSICAL/CHEMICAL/ PROPERTIES

Appearance and Odor	Clear Greenish blue colored alcoholic liquid. Alcoholic Odor with pleasant fragrance.
pH	6.5-8
Boiling point	78 – 100 C DETAILS: by distillation
Melting point	Not determined
Flash point	24 - 25 C PMCC
Auto ignition temperature	Not determined
Vapor pressure	Not determined
Water Solubility	Not determined
Specific gravity	0.86 – 0.89 (water = 1)
Vapour density	Not determined
Volatile organic compounds (VOC) content	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Flammable Limits – LEL	Not determined
Flammable Limits – UEL	Not determined
Percent Volatile	Not detrmined

10. STABILITY AND REACTIVITY

Materials to avoid

Strong Oxidizing Agents. Strong Acids. Combustibles.

Conditions to Avoid

Sparks and/or Flames. Heat. Light. Strong Alkalis

Hazardous Decomposition Products

Hydrocarbons during combustion. Carbon monoxide during combustion. Carbon dioxide during Combustion.

Stability

Hazardous polymerization will not occur, stable. This material may be reactive with certain agents under certain conditions see the other headings in this section.

11. TOXICOLOGICAL INFORMATION

Effects from eye Contact

Moderate Eye Irritation: Signs/symptoms can include redness, swelling, pain, tearing and Blurred or hazy vision.

Effects from skin contact

Allergic skin reaction (non-photo induced): Signs / symptoms can include redness, swelling, Blistering and itching. BECTASHIELD Antiseptic Hand Preparation should not be used by persons Who are known to be hypersensitive to Chlorhexidine Gluconate or any of its components.

Effects from Inhalation

May be absorbed following inhalation and cause target organ effects. Respiratory Tract

Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, Hoarseness and nose and throat pain.

Effect from Ingestion

May be absorbed following ingestion and cause target organ effects. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and Diarrhea.

Carcinogenicity

Note: This product contains ISO PROPYLALCOHOL (CAS :67-63-0)

Entitled, Alcohol Drinking, the carcinogenicity of Alcohol was determined based on chronic exposure to Alcohol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

Other Toxicological Information

Central Nervous System (CNS) Depression: Signs / Symptoms may include headache, dizziness, drowsiness, nausea, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure may cause liver effects. Sign/symptom may include loss of appetite, weight loss, fatigue, abdominal tenderness and jaundice.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data

Not determined

Ecofate Data

Not determined.

13. DIPOSAL CONSIDERATIONS

Product as sold

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative dispose of waste product in a permitted hazardous waste facility. Combustion products will include HCl. Facility must be capable of handling halogenated materials.

14. TRANSPORT INFORMATION

ADG (Road / Rail/Sea)

UN Number	1170
Proper shipping name	Alcoholic disinfectant solution (Brand BECTASHIELD)
Dangerous goods class	3
Subsidiary risk	Non allocated
Packing group	III
IMDG special instruction:	Marine pollutant : Chlorhexidine Gluconate

15. REGULATORY INFORMATION

Composition approved by FDA

16. OTHER INFORMATION

Reason for reuse

Complete documents review with multiple sections updated.

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