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Becton Dickinson and Company

Material Safety Data Sheet

Catalogue Number(s):
371065

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: E-Z SCRUB® HIBICLENS® Scrub Brush with Hibiclens Antimicrobial Skin Cleanser
(Hibiclens is a reg. trademark of Zeneca Pharm.)

Synonyms:

Chemical Family: N/A

Chemical Formula: Proprietary Mixture

Manufacturer: Becton Dickinson and Company

Division: Becton Dickinson Division

MSDS Number(s): DM10021

Address: 1 Becton Drive

City: Franklin Lakes

State: New Jersey

Zip Code: 07417-1884

Emergency Phone: Day: 201-847-4267;

After hours: 201-847-6431

Chemtec: 800-424-9300

Other Calls: 201-847-4000, 800-333-4813

MSDS Prepared By: Case Consulting Laboratories, Inc.

Effective Date: May 14, 1998; Supersedes: July 29, 1988

SECTION 2 - COMPOSITION INFORMATION INGREDIENTS

<u>Ingredient Name</u> <u>Common Name</u>	<u>CAS Number</u>	<u>Percent (wt)</u>	<u>Wgt Vol</u>	<u>Hazardous</u>
Isopropyl Alcohol*(not in Cat. No. 377479)	000067-63-0	4.0		
Chlorhexidine Gluconate	018472-51-0	4.0		

*This is a water-based solution of surfactants and Chlorhexidine Gluconate; potentially hazardous components are listed in accordance with 29 CFR § 1910.1200

OSHA PEL Exposure Limits

ACGIH TLV Exposure Limits

TWA: U/K

***TWA:** 400 ppm/983 mg/m³

STEL: U/K

***STEL/CEIL:** 500 ppm/1230 mg/m³

CEIL: U/K

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Relevant Route(s) of Exposure: Eyes, Ears, Skin

Signs and Symptoms of Exposure: EYES: Potential for permanent damage; EARS: Potential for hearing loss; SKIN: Possible irritation for hypersensitive individuals.

Chronic Effects: None determined

Medical Conditions Generally Known to be Aggravated by Exposure to the Material: For external use only. Keep out of eyes, ears and mouth. Hibiclens is irritating to the eye and should not be used as a preoperative skin preparation of the periorbital or eyelid areas. Misuse of Hibiclens has been reported to cause serious and permanent eye injury when it has been permitted to enter and remain in the eye during surgical procedures. Chlorhexidine Gluconate has been reported to cause deafness when instilled in the middle ear through perforated ear drums. If any of the mentioned areas come into contact with this product, promptly and thoroughly rinse the affected area with water. Also avoid contact with meninges. If any adverse reaction should occur discontinue use immediately.

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SECTION 3 - HAZARDS IDENTIFICATION (CONT.)

Potential Health Effects

Eyes: See hazard identification

Skin: See hazard identification

Ingestion: See hazard identification

Inhalation: The vapor has anesthetic properties, and when inhaled at concentrations above the occupational exposure limit, may cause headache, fatigue, dizziness, loss of coordination and unconsciousness.

SARA Hazards: U/K **Acute:** U/K **Chronic:** U/K **Reactive:** U/K **Fire:** U/K **Pressure:** U/K
Carcinogenicity: U/K **NTP:** U/K **IRAC:** U/K **OSHA:** U/K **ACGIH:** U/K **Other:** U/K

SECTION 4 - FIRST AID MEASURES

Eyes: Flush eyes thoroughly with water for 15 minutes. Seek medical attention.

Skin: Wash skin with water. Seek medical attention.

Ingestion: Wash-out mouth with water. Treat with gastric lavage using milk, egg white or mild soap. Seek medical attention.

Inhalation: Remove patient from exposure, keep warm and at rest. Seek medical attention if ill effects occur.

Ears: Flush ear with water; repeat several times. Seek medical attention.

Antidotes:

Notes to Physicians: Symptomatic treatment and supportive therapy as indicated. For further detail, consult the prescribing information.

SECTION 5 - FIRE FIGHTING PROCEDURES

NFPA Codes: **Health:** U/K **Flammability:** U/K
Reactivity: U/K **Other:** U/K

Flammable Limits in Air: **Upper Limit:** 12% (v/v) **Lower Limit:** 2% (v/v)

Flash Point Value: 148°F

Method Used: Closed cup

Auto-Ignition Value: U/K

Extinguishing Media: Water, foam, dry chemical, carbon dioxide.

Fire Fighting Instructions: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Unusual Fire and Explosion Hazards: U/K

Flammability Classification: U/K

Propagation or Burning Rate of Solid Materials: U/K

Known or Anticipated Hazardous Products of Combustion: U/K

Properties of Both Flammable and Nonflammable Material that may Initiate or Uniquely Contribute to the Intensity of a Fire:
U/K

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

Small Spills: Clean-up spills. Drench spills with water and wash to drain.

Large Spills: Do not allow to enter drains, sewers or watercourses. Adsorb spills onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the area with water, and flush to a sewer serviced by a wastewater treatment facility.

SECTION 7 - HANDLING AND STORAGE

Handling and Storage: Avoid contact with eyes. Follow procedures specified in the National Fire Protection Association Codes and Standards for handling combustible liquids.

Store at room temperature and keep container tightly closed. Protect from light. Avoid excessive heat (104°F)

Precautionary Label Statements:

See product labeling

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Engineering Controls:

Ventilation Needs: General

Personal Protective Equipment

Eye/Face Protection: Goggles; full-face shield in addition if splashing is possible.

Skin Protection: Impervious gloves and apron.

Respiratory Protection: If needed, use NIOSH approved respirator for organic vapors.

Other Protective Clothing or Equipment: Eyewash station and safety shower in work area.

Exposure Guidelines: U/K

Work Hygienic Practices: U/K

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: U/K

Melting Point: U/K

Freezing Point: U/K

Physical State: Liquid

Viscosity @ ??°C: U/K

Molecular Weight: U/K

pH: 5-6.5

Concentration: U/K

Weight per Gallon: U/K

Evaporation Rate (????=1): U/K

Vapor Pressure @ ??°C: U/K

Vapor Density (air=1): U/K

Specific Gravity: 1.06

Percent Volatile by Volume: U/K

Theoretical VOC Content % by Wt.:

Solubility in Water: Soluble

Reactivity in Water: N/A

Appearance: Clear, pink/red liquid

Odor: Perfumed

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SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None determined.

Incompatibility with Other Materials: Strong oxidizing agents, anionic compounds.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia.

Hazardous Polymerization: Will not occur.

Conditions to Avoid (Polymerization): N/A

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>LD₅₀ Value</u>	<u>Unit</u>	<u>LD₅₀ Animal</u>	<u>Routes</u>	<u>LD₅₀ Component</u>
U/K		U/K		U/K
<u>LC₅₀ Value</u>	<u>Unit</u>	<u>LC₅₀ Animal</u>	<u>Routes</u>	<u>LC₅₀ Component</u>
U/K		U/K		U/K

Toxicological Information:

U/K

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Low toxicity to sewage microorganisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations: Disposal should be in accordance with local, state and federal regulations. Discarded product is not a hazardous waste under RCRA, 40 CFR § 261. Empty container retains product residue. Observe all hazard precautions.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation and Hazardous Materials Description: Not classified as Dangerous for Transport.

Proper Shipping Name: N/A

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SECTION 14 - TRANSPORTATION INFORMATION (CONT.)

DOT Label Information: N/A

Hazard Class: N/A DOT ID Number: N/A Packing Group: N/A

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA Regulations, 40 CFR § 710: All ingredients are on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR §§ 355, 370 and 372): This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

State Regulations:

U/K

International Regulations:

U/K

SECTION 16 - OTHER INFORMATION

Other Information:

Definitions: N/A=Not Applicable U/K=Unknown

To the best of our knowledge, the information contained herein is accurate. However, neither Becton Dickinson and Company nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.