MATERIAL SAFETY DATA SHEET

PRODUCT NAME: *E-Z SCRUB Scrub Brush Ultradex ®*
Catalog No. 374081
Date: *03/13/02* ***Revision #:*** *NEW*

PRODUCT AND COMPANY INFORMATION – SECTION 1

Company Identification

Name: *Becton Dickinson Medical Systems*
Address: *9450 South State Street*
Sandy, UT 84070

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:

In the continental U.S., call: 801.565.2300 (24 hour)
For additional information, call: 888.237.2762
(M-F, 8:00 AM-4:30 PM EST)

COMPOSITION INFORMATION – SECTION 2

Product Name: EZ-SCRUB Scrub Brush Ultradex ®
Chemical Family: Chloroxylenol
Chemical Formula: Proprietary Mixture

Chemical Name	Percent Wt.	CAS Number	RTECS Number
4-Chloro-3, 5 xylenol (Chloroxylenol)	3.0	88-04-0	ZE6850000
Emollients and surfactants	Proprietary		

No hazardous materials are in this formulation in excess of 1%.

OSHA REGULATORY STATUS	
	This material is classified as not hazardous under OSHA regulations.
X	While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.
	This material is classified as hazardous under OSHA regulations.

HAZARDS IDENTIFICATION – SECTION 3

EMERGENCY OVERVIEW	▪ White creamy liquid with light primrose odor. ▪ Presents little or no hazard if spilled and/or involved in a fire. ▪ For external use only: keep out of eyes, ears, and mouth.

HAZARDS IDENTIFICATION – SECTION 3 (Continued)

POTENTIAL HEALTH EFFECTS

Eyes: Overexposure may cause irritation.
Skin: Overexposure may cause mild to moderate irritation.
Inhalation: Overexposure may cause mild to moderate irritation.
Ingestion: Overexposure may cause mild to moderate irritation.
Chronic Effects: None

FIRST AID MEASURES – SECTION 4

SEEK IMMEDIATE MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.

FIRST AID MEASURES	
Eyes:	Flush with copious amounts of water for at least 15 minutes.
Skin:	Flush with copious amounts of water for at least 15 minutes.
Inhalation:	Remove victim to fresh air.
Ingestion:	Flush out mouth with water. Seek medical attention.

FIRE FIGHTING MEASURES – SECTION 5

NFPA Rating		
Health	Fire	Reactivity
1	1	0

Flammability Properties

Flash Point / Method:	>212 °F / Closed Cup			
Flammability Limits: (in air % by volume)	**LEL:**	N/A	**UEL:**	N/A
Autoignition Temperature:	N/A			
Hazardous Combustion Products:	None			
Extinguishing Media:	Water spray, dry chemical, or any other medium appropriate for primary cause of fire.			

FIRE FIGHTING MEASURES – SECTION 5 (Continued)

Firefighting Instructions: As in any fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive-pressure mode.

Unusual Fire and Explosion Hazards: Burning packaging materials may cause dense smoke and fumes.

ACCIDENTAL RELEASE MEASURES - SECTION 6

Large Spill: Dike area and absorb with industrial absorbent. Flush area with copious amounts of water to remove residue.

Small Spill: Dilute with copious amounts of water and flush small spills to the sewer.

HANDLING & STORAGE – SECTION 7

Handling: External use only. Keep away from eyes, ears, and mouth.

Storage: Store at room temperature. Temperature not to exceed 104 °F.

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8

Engineering Controls: General ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye/Face Protection: Not required for normal use. Wear safety goggles for spill clean up or when there is a danger of splashing.

Skin Protection: Protective clothing as needed for spill response. Not required for normal use.

Respiratory Protection: Not required for normal use.

General Hygiene Considerations: N/A

Exposure Guidelines

OSHA PEL: N/A	**ACGIH TLV:** N/A

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

Appearance, Physical State:	White creamy liquid
Odor:	Light primrose
Molecular Weight:	N/A
pH:	4.2-5.2 @ 23 +/- 2 °C
Boiling Point:	212 °F
Melting Point:	32 °F
Vapor Pressure (mm Hg):	Same as water
Vapor Density (Air=1):	Same as water
Solubility in Water:	Dispersible
% Volatile By Volume:	U/K
Specific Gravity:	1.07

STABILITY & REACTIVITY – SECTION 10

Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	High heat, freezing.
Materials to Avoid:	Oxidizers.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11

Chloroxylenol: oral LD50 = 3830 mg/kg (rat) - 1 g/kg (mouse)

ECOLOGICAL INFORMATION – SECTION 12

Product poses no significant environmental problems.

DISPOSAL CONSIDERATION – SECTION 13

Dispose of in accordance with all current Federal, state, and local regulations and guidelines.

TRANSPORT INFORMATION - SECTION 14

DOT CLASSIFICATION:

Not Regulated

IATA CLASSIFICATION:

Not Regulated

IMDG CLASSIFICATION:

Not Regulated

REGULATORY INFORMATION – SECTION 15

US REGULATIONS

OSHA	Not Regulated
TSCA	All components of this material are listed in the TSCA inventory (Chloroxylenol: TSCA 8(b) Chemical Inventory)
CERCLA	Not Regulated
SARA Title III	Not Regulated

STATE REGULATIONS

MA Substance List	Not Regulated
NJ Right-to-Know Hazardous Substance List	Not Regulated
PA Hazardous Substance List	Not Regulated

OTHER INFORMATION - SECTION 16

Definitions:

U/K *= Unknown* ***N/A*** *= Not Applicable*

To the best of our knowledge, the information contained herein is accurate. However, neither Becton Dickinson nor any of its subsidiaries assumes 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. The possibility exists that the EU will not recognize this MSDS due to the fact that several components of the MSDS are reflective of ANSI Z-400.1-1998. Although ILO (International Labor Organization) has adopted ANSI Z-400.1-1998, ultimate disposition lies with the competent authority.