

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: E-Z SCRUB™ Scrub Brush Povidone
Iodine Detergents
Catalog No. 372019, 372053, 372057,
372405, 372417, 372419, 372453
Date: 11/20/07 **Revision #:** 4



PRODUCT AND COMPANY INFORMATION – SECTION 1

Company Identification

Name: BD Medical
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 Povidone Iodine Detergent

Chemical Family: Iodine

Chemical Formula: Proprietary Mixture

<u>Chemical Name</u>	<u>Percent Wt.</u>	<u>CAS Number</u>	<u>RTECS Number</u>
Iodine (10% PVP) Cat. No. 372053, 372019, 372057	1.0 %	25655-41-8	TR15796 00
Iodine (5% PVP) Cat. No. 372405, 372453, 372419, 372417	0.5 %	25655-41-8	TR15796 00

There are no hazardous components above 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	<ul style="list-style-type: none">Clear, dark reddish-brown liquid with mild 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.
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HAZARDS IDENTIFICATION – SECTION 3 (Continued)

POTENTIAL HEALTH EFFECTS

Eyes: Overexposure may cause irritation.
Skin: Overexposure may cause irritation.
Inhalation: Overexposure may cause headache, fatigue, and / or loss of coordination.
Ingestion: Overexposure may cause nausea, abdominal cramps, and diarrhea.
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: Treat symptomatically. Flush with copious amounts of water for at least 15 minutes.
Inhalation: Remove victim to fresh air.
Ingestion: Give milk or water to dilute. Do not induce vomiting.

FIRE FIGHTING MEASURES – SECTION 5

<u>NFPA Rating</u>		
Health 1	Fire 1	Reactivity 0

Flammability Properties

Flash Point / Method: None
Flammability Limits: LEL: N/A UEL: N/A
(in air % by volume)
Autoignition Temperature: N/A
Hazardous Combustion Products: Iodine

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FIRE FIGHTING MEASURES – SECTION 5 (Continued)

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

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: This product will not ignite or explode, however, packaging materials cause dense smoke and fumes.

ACCIDENTAL RELEASE MEASURES - SECTION 6

Large Spill: Treat with Sodium thiosulfate, dike area and absorb with industrial absorbent. Dispose of material in accordance with regulatory requirements.

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

HANDLING & STORAGE – SECTION 7

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

Respiratory Protection: Not required for normal use. Use NIOSH approved SCBA when handling large quantities at a high temperature, as Iodine vapors may be generated.

General Hygiene Considerations: Avoid prolonged exposure to skin.

Exposure Guidelines

OSHA PEL: N/A	ACGIH TLV: N/A
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PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

Appearance, Physical State:	Clear, dark reddish-brown liquid
Odor:	Mild
Molecular Weight:	N/A
pH:	2.5-6.5 @ 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:	Completely soluble
% Volatile By Volume:	U/K
Specific Gravity:	0.96 - 1.04

STABILITY & REACTIVITY – SECTION 10

Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	High heat.
Materials to Avoid:	Alkalis and reducing agents.
Hazardous Decomposition Products:	Free iodine will be emitted when heated to decomposition.
Hazardous Polymerization:	Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11

PVP-Iodine: oral LD50 = 8100 mg/kg (mouse), > 8 g/kg (rat)

ECOLOGICAL INFORMATION – SECTION 12

No significant data is available for this material.

DISPOSAL CONSIDERATION – SECTION 13

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

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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	PVP-Iodine: 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 European Union 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.

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VERSION HISTORY

Version	Description	ECO Number	Version Prepared By
4	Correction to include catalog number 372057 to the Chemical Composition table for Iodine (10% PVP) as it had been inadvertently left out of the earlier versions. During this revision the document has been updated to the current format which includes this new version history page and removed obsolete material number 372056. Also update company name from Becton Dickinson Medical Systems to BD Medical, in section 16 revise EU to European Union and include ™ the trade mark after the product name. CCB #1523 (11/29/07).	ECO75185	Janet Boggess Rachel LeBlanc
3	Date of MSDS D14536 and D14554 updated to current date 9/13/05 to comply with regulations in Canada. And change Version number.	ECO35390	George Nolan