

# MATERIAL SAFETY DATA SHEET

<b>Version</b>	2.0	<b>Issue Date</b> 14 Jul 2011
<b>Revision Date</b>	15 Nov 2010	
<b>Supersedes</b>	14 Dec 2009	<b>American National Standard ANSI Z400.1</b>

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

**Product Name** DISPERSING AGENT  
**Brand:** Endosafe  
**Product Code** BD100

**Intended use** R&D/Experimental use only

**Manufacturer** Charles River  
**Division** Endotoxin and Microbial Detection  
**Address** 1023 Wappoo Rd  
 Suite 43-B  
 Charleston, SC 29407

**Telephone** (843) 402-4900  
**Emergency** (843) 402-4900

## SECTION 2: HAZARDS IDENTIFICATION

### Emergency Overview

**OSHA Hazards** No OSHA hazards

**NFPA Rating** Health = 0, Fire = 0, Instability = 0  
**HMIS Classification** Health = 0, Flammability = 0, Physical hazards = 0

### Potential Health Effects

**Eyes** May cause eye irritation  
**Skin** May be harmful if absorbed through skin, may cause skin irritation.  
**Inhalation** May be harmful if inhaled, may cause respiratory tract irritation.  
**Ingestion** May be harmful if swallowed.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	RTECS	EC#	Concentration, %
Water	7732-18-5	ZC0110000	231-791-2	> 99
Proprietary dispersing agent	-	-	-	< 1

## SECTION 4: FIRST AID MEASURES

<b>Eye contact</b>	Flush eyes with plenty of water.
<b>Skin contact</b>	Rinse immediately with soap and plenty of water
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Inhalation</b>	Move person into fresh air. If not breathing give artificial respiration.

## SECTION 5: FIRE-FIGHTING MEASURES

<b>Flash point</b>	Not available
<b>Ignition temperature</b>	Not available
<b>Extinguishing media</b>	This material does not burn
<b>Fire fighting procedures</b>	Wear self contained breathing apparatus for fire fighting if necessary

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid breathing vapors mist or gas.
<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Methods for cleaning</b>	Keep in suitable, closed containers for disposal

## SECTION 7: HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment and avoid contact with skin and eyes. Good laboratory technique should be used in handling product.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering measures</b>	Contains no substances with occupational exposure limit values
<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin and body protection</b>	Wear appropriate protective gloves and clothes to prevent skin exposure.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Clear liquid
<b>Odor</b>	Odorless
<b>pH</b>	6 – 8 @ 25 °C
<b>Melting/freezing point</b>	0.0 °C
<b>Boiling point</b>	100°C
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not applicable
<b>Upper/lower flammability limits</b>	Not applicable
<b>Vapor pressure</b>	23.8 mm/Hg @ 25 °C
<b>Vapor density</b>	23 gm/m <sup>3</sup> @ 25 °C
<b>Specific gravity</b>	0.997g/cm <sup>3</sup> @ 25 °C
<b>Water solubility</b>	Soluble
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	1 cPs @ 20 °C

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Materials to avoid</b>	Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride.
<b>Conditions to avoid</b>	N/A
<b>Hazardous polymerization</b>	Will not occur
<b>Hazardous decomposition</b>	N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Not available
<b>Irritation and corrosion</b>	Not available
<b>Sensitization</b>	Not available
<b>Chronic exposure</b>	Not available
<b>Carcinogenic effects</b>	
<b>IARC</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>NTP</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>Mutagenic effects</b>	Not available
<b>Reproductive toxicity</b>	No available

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity</b>	Not available
<b>Persistence/degradability</b>	Not available
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>PBT and vPvB assessment</b>	Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Product</b>	Observe all federal, state, and local environmental regulations
<b>Contaminated packaging</b>	Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

<b>DOT</b>	Not regulated hazardous material
<b>IATA</b>	Not regulated hazardous material
<b>IMDG</b>	Not regulated hazardous material

## SECTION 15: REGULATORY INFORMATION

<b>OSHA Hazards</b>	No OSHA hazards
<b>TSCA Status</b>	All components are listed on the TSCA inventory
<b>SARA 302 Components</b>	No components of this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 311/312 Hazards</b>	No components of this material are subject to the reporting requirements of SARA Title III, Section 311/312
<b>SARA 313 Components</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>California Prop 65</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
<b>DSL Status</b>	All components of this product are on the Canadian DSL list.
<b>WHMIS Classification</b>	Not WHMIS controlled

## SECTION 16: OTHER INFORMATION

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Charles River Endosafe makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Charles River Endosafe be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

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