

SAFETY DATA SHEET

Version	2.0	Issue Date 14 Jul 2011
Revision Date	05 Jul 2011	
Supersedes	12 Dec 2001	Generic GHS format – No country specific data

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name ENDOTOXIN SPECIFIC (ES) BUFFER
Brand: Endosafe
Product Codes BG120

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 001 843 402 4900
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SECTION 2: HAZARDS IDENTIFICATION

Classification Not a dangerous substance or mixture according to GHS criteria.

Label elements This product does not require labeling.

Hazard statements None

Other hazards None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	RTECS#	EC#	Concentration, %
Water	7732-18-5	ZC0110000	231-791-2	> 98
2-Amino-2-(hydroxymethyl)-1, 3-propanediol hydrochloride	1185-53-1	-	214-684-5	< 1
Tris (hydroxymethyl) aminomethane	77-86-1	TY2900000	201-064-4	< 1
Carboxymethyl- β -1, 3-D-glucan (CM - Curdlan)	114732-86-4	-	-	< 1

SECTION 4: FIRST AID MEASURES

Eye contact Flush eyes with plenty of water.

Skin contact Wash off with soap and plenty of water.

Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation	Move person into fresh air. If not breathing give artificial respiration consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Flash point	Not available
Ignition temperature	Not available
Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire fighting procedures	Wear self contained breathing apparatus for fire fighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Contains no substances with occupational exposure limit values
Respiratory protection	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).
Eye protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection	Wear appropriate protective gloves and clothes to prevent skin exposure.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Clear liquid
Odor	Not available

pH	7.4 (1:10 dilution @ 20 – 25°)
Melting/freezing point	Not available
Boiling point	Not available
Flash point	Not available
Freezing point	Not available
Evaporation rate	Not available
Flammability	Not available
Upper/lower flammability limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Water solubility	Soluble
Partition coefficient: n-octanol/water	Not available
Decomposition temperature	Not available
Viscosity	Not available

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Materials to avoid	Bases and oxidizers
Conditions to avoid	Excessive heat
Hazardous polymerization	Will not occur
Hazardous decomposition	Hazardous decomposition products formed under fire conditions include hydrogen chloride gas and oxides of carbon and nitrogen (NO _x).

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Not available
Skin corrosive/Irritant	Not available
Serious eye damage/irritation	Not available
Respiratory sensitization	Not available
Germ cell mutagenicity	Not available

Carcinogenicity

IARC 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.

Reproductive toxicity Not available

Specific target organ systemic toxicity (single exposure) Not available

Specific target organ systemic toxicity (repeated exposure) Not available

Aspiration hazard Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not available

Persistence/degradability Not available

Bioaccumulative potential Not available

Mobility in soil Not available

Other adverse effects Not available

PBT and vPvB assessment Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Product Observe all federal, state, and local environmental regulations

Contaminated packaging Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

ADR/RID Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

SECTION 16: OTHER INFORMATION

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