

SAFETY DATA SHEET

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Supersedes 23 Mar 2010 Generic GHS format – No country specific data

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name: CATION-BUFFER SOLUTION (0.5 M MgSO₄ in 1 M TRIS)
Brand: Endosafe
Product Code(s): BC1000

Intended Use R&D/Experimental use only

Manufacturer Charles River
Division Endotoxin and Microbial Detection
Address 1023 Wappoo Rd
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Charleston, SC 29407

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SECTION 2: HAZARDS IDENTIFICATION

Classification

Not a hazardous substance or mixture according to GHS criteria.

Eye damage/irritation (Category 2)
Specific target organ toxicity, SE (Category 3)
Skin corrosion/irritation (Category 3)

Label elements

Pictogram This product does not require labeling.
Signal word Warning

Hazard statements

H316 Causes mild skin irritation
H320 Causes eye irritation
H335 May cause respiratory irritation

Precautionary Statements

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present, continue rinsing

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS# | EC# | Concentration, % |
|--|-----------|-----------|------------------|
| Water | 7732-18-5 | 231-791-2 | 79.3 |
| Tris (hydroxymethyl) aminomethane | 77-86-1 | 201-064-4 | 3.5 |
| Magnesium sulfate | 7487-88-9 | 231-298-2 | 5.8 |
| 2-Amino-2-(hydroxymethyl)-1, 3-propanediol hydrochloride | 1185-53-1 | 214-684-5 | 11.4 |

SECTION 4: FIRST AID MEASURES

| | |
|---------------------|--|
| Eye contact | Rinse immediately 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 | 6.8 - 7.6 (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

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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