

## SAFETY DATA SHEET

<b>Version</b>	2.0	<b>Issue Date</b> 15 Jul 2011
<b>Revision Date</b>	N/A New	
<b>Supersedes</b>	N/A	<b>Generic GHS format – No country specific data</b>

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

**Product Name** ENDOTOXIN-SPECIFIC LIMULUS AMEBOCYTE LYSATE  
**Brand** Endosafe  
**Product Codes** R210, R270, R2900

**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

**Chemical name** Hemocyte, Limulus polyphemus, lysate (product consisting of the circulating amebocytes of Limulus polyphemus co-lyophilized in a buffered medium)

**Other names** Limulus Amebocyte Lysate, LAL

Components	CAS#	EC#	Concentration, %
Hemocyte, limulus polyphemus, lysate	68606-22-4	271-731-2	> 80

#### 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 consult a physician

#### SECTION 5: FIRE-FIGHTING MEASURES

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

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Methods for cleaning</b>	Use a wet sponge or damp cloth. 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>	Recommended storage temperature: 2 - 8 °C

#### 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>	Powder, lyophilized
<b>Odor</b>	Not available
<b>pH</b>	Not available
<b>Melting/freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	Not available
<b>Freezing point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available
<b>Upper/lower flammability limits</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Water solubility</b>	Soluble
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Materials to avoid</b>	Strong acids, bases and oxidizers

<b>Conditions to avoid</b>	Heat
<b>Hazardous polymerization</b>	None under normal processing conditions
<b>Hazardous decomposition</b>	Hazardous decomposition products formed under fire conditions – Carbon oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Not available
<b>Skin corrosive/Irritant</b>	Not available
<b>Serious eye damage/irritation</b>	Not available
<b>Respiratory sensitization</b>	Not available
<b>Germ cell mutagenicity</b>	Not available
<b>Carcinogenicity</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>Reproductive toxicity</b>	Not available
<b>Specific target organ systemic toxicity (single exposure)</b>	Not available
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Not available
<b>Aspiration hazard</b>	Not available

## SECTION 12: ECOLOGICAL INFORMATION

<b>Aquatic and terrestrial 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>ADR/RID</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	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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