

MATERIAL SAFETY DATA SHEET

Revision date: May, 2009

Version: 7

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Associates of Cape Cod, Inc.
124 Bernard E Saint Jean Drive
East Falmouth, Massachusetts
888-395-2221 or 508-540-3444

Emergency telephone number: Chemtrec® (24 Hours) 800-424-9300 (Domestic North America)
For Chemical Emergency, Spill, Leak, 703-527-3887 (International),
Fire, Exposure or Accident Collect calls accepted.

Material Name: Pyrochrome® *Limulus* Amebocyte Lysate
Trade Name: Pyrochrome® LAL Chromogenic Lysate
Synonyms: *Limulus* Amebocyte Lysate, LAL, Lysate, Pyrochrome®
Chemical Family: Biochemical
Intended Use: Chromogenic Endotoxin Detection

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS Number | EU EINECS List | % |
|---------------------------------|------------|----------------|-------------|
| <i>Limulus</i> Amebocyte Lysate | N/A | | Proprietary |

3. HAZARDS IDENTIFICATION

Appearance: White lyophilized pellet

Statement of Hazard:

- Eye Contact:** Sensitization to this product and development of allergic reactions such as conjunctivitis can occur.
- Skin Contact:** Sensitization to this product and development of allergic reactions such as contact dermatitis can occur.
- Inhalation:** Sensitization to this product and development of allergic reactions such as rhinitis can occur.
- Ingestion:** This product contains protein and Type I allergic reactions in some individuals are possible.

Potential Health Effects:

Additional Information: If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted.

4. FIRST AID MEASURES

- Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Get medical attention.
- Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

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Ingestion: Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray

Hazardous Combustion Products: May emit toxic fumes of oxides of carbon and nitrogen

Fire Fighting Procedures: Wear approved positive pressure, self-contained breathing apparatus and full protection turn out gear. Use caution in approaching fire.

Fire / Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Clean-up spill and transfer into a labeled container for disposal. Clean spill area thoroughly.

Measures for Environmental Protection: Place waste in an appropriate labeled container for disposal.

Additional Consideration for Large Spills: Collect spill and transfer all waste to a labeled container and move it to a waste holding area.

7. HANDLING AND STORAGE

General Handling: Avoid breathing dust. Avoid contact with eyes, skin and clothing.

Storage Conditions: Keep container tightly closed before use.

Storage Temperature: Store as directed by product insert for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEL/PEL: Unknown

Engineering Controls: General laboratory ventilation

Personal Protective Equipment:

Hands: Wear impervious gloves if skin contact is possible.

Eye: Wear safety glasses if eye contact is possible.

Skin: Not required for normal use of this product.

Respiratory protection: Not required for normal use of this product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------|----------------------------|--------------------------|--------------------|
| Physical State: | Solid (Lyophilized pellet) | Color: | White to off-white |
| Molecular Formula: | Not available | Molecular Weight: | Not available |
| pH: | N/A | | |

10. STABILITY AND REACTIVITY

| | |
|--|-------------------|
| Stability: | Stable |
| Conditions to Avoid: | None known |
| Incompatible Material: | No data available |
| Hazardous Decomposition Products: | No data available |
| Polymerization: | Will not occur |

11. TOXICOLOGICAL INFORMATION

No data available

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|-------------------|
| Environmental Overview: | No data available |
| Bioaccumulation and Toxicity: | No data available |

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Observe all local and national regulations when disposing of this material.

14. TRANSPORT INFORMATION

Not regulated for transport under USDOT regulations.

15. REGULATION INFORMATION

OSHA Label:

Warning

- May cause eye irritation
- May cause allergic reaction

16. OTHER INFORMATION

Prepared by: Associates of Cape Cod, Inc.

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End of Safety Data Sheet