

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** PYROCHROME®

**Synonyms:** LIMULUS AMEBOCYTE

LYSATE LAL

LYSATE

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Chromogenic Endotoxin Detection

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Associates of Cape Cod, Inc.

124 Bernard E Saint Jean Drive

East Falmouth

Massachusetts

02536-4445

USA

**Tel:** 001 508-540-3444

**Fax:** 001 508 540-8680

**Email:**

[info@acciusa.com](mailto:info@acciusa.com)

### 1.4. Emergency telephone number

**Emergency tel:** 001 703-527-3887

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CHIP:** Sens.: R42/43

**Classification under CLP:** Resp. Sens. 1: H334; Skin Sens. 1: H317

**Most important adverse effects:** May cause sensitisation by inhalation and skin contact.

### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H317: May cause an allergic skin reaction.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Signal words:** Danger

**Hazard pictograms:** GHS07: Exclamation mark

GHS08: Health hazard

[cont...]



**Precautionary statements:** P261: Avoid breathing dust.  
P280: Wear protective gloves.  
P285: In case of inadequate ventilation wear respiratory protection.  
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P321: Specific treatment (see instructions on this label).  
P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

**Label elements under CHIP:**

**Hazard symbols:** No significant hazard.  
**Risk phrases:** R42/43: May cause sensitisation by inhalation and skin contact.  
**Safety phrases:** S24: Avoid contact with skin.  
S37: Wear suitable gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**2.3. Other hazards**

**PBT:** This substance is not identified as a PBT substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Non-hazardous ingredients:**

LIMULUS AMEBOCYTE LYSATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	-	-	-	50-80%

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes.  
**Ingestion:** Wash out mouth with water.

[cont...]

**Inhalation:** Consult a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Not applicable.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

#### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

#### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

#### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

#### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

#### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.

## 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

# Section 8: Exposure controls/personal protection

## 8.1. Control parameters

**Workplace exposure limits:** Not applicable.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Nitrile gloves. Rubber gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

# Section 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

**State:** Solid

**Colour:** White

**Odour:** Odourless

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**pH:** 7-8

## 9.2. Other information

**Other information:** Not applicable.

# Section 10: Stability and reactivity

## 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

## 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

#### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

#### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

**Relevant effects for mixture:**

Effect	Route	Basis
Sensitisation	INH DRM	Hazardous: calculated

#### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

### Section 12: Ecological information

#### 12.1. Toxicity

**Ecotoxicity values:** Not applicable.

#### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

#### 12.4. Mobility in soil

**Mobility:** Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

#### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

### Section 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal operations:** Deposit into or on to land (e.g. landfill, etc.)

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

### Section 15: Regulatory information

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

**Specific regulations:**

Controlled Product Regulations    This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the SDS contains all required information.

WHMIS Classification                      Not a controlled product

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H317: May cause an allergic skin reaction.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

R42/43: May cause sensitisation by inhalation and skin contact.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.