

# Safety Data Sheet

## SAFETY DATA SHEET - LC LABORATORIES REVISION DATE: JULY 1, 2019

### SECTION 1. IDENTIFICATION:

Trade name: Calyculin A  
Product Number: [C-3987](#)  
Manufacturer/Supplier:  
LC Laboratories  
165 New Boston Street  
Woburn, MA 01801 USA  
+1-781-937-0777 Fax: +1-781-938-5420

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### SECTION 2. HAZARD(S) IDENTIFICATION:

Hazard Description: Toxic, Irritant  
Toxic if swallowed, inhaled, or absorbed through skin  
Irritating to the skin; may cause eye irritation  
Signal Word: Danger

#### GHS Hazard Statements:

H301 - Toxic if swallowed  
H311 - Toxic in contact with skin  
H315 - Causes skin irritation  
H331 - Toxic if inhaled

#### GHS Precautionary Statements:

P2562 - Do not get in eyes, on skin or on clothing  
WARNING: For Laboratory Research Use Only



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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name: Calyculin A  
Synonyms:  
Hazardous Ingredient: Calyculin A  
CAS Registry Number: 101932-71-2  
Molecular Weight: 1009.17  
Molecular Formula:  $C_{50}H_{81}N_4O_{15}P$

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### SECTION 4. FIRST-AID MEASURES:

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration  
After skin contact: flush with copious amounts of water; remove contaminated

clothing and shoes; call a physician

After eye contact: flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

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## **SECTION 5. FIRE-FIGHTING MEASURES:**

Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder or foam

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Unusual fire hazard: may emit toxic fumes under fire conditions

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES:**

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

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## **SECTION 7. HANDLING AND STORAGE:**

Information for safe handling: avoid contact with skin, eyes and clothing; material may be an irritant

Storage: store solid and solutions at -20 °C

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: handle with Nitrile rubber gloves with minimum thickness of 0.11 mm (4.3 mil). This recommendation should not be interpreted as offering an approval for any specific use conditions. Please review this recommendation with a safety officer to evaluate if it is appropriate for the anticipated use.

Eye protection: chemical safety goggles

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:**

Form: clear film or white crystalline powder

Color:

Odor: none

Melting point/Melting range: not determined

Danger of explosion: none

Solubility in / Miscibility with water: very poorly soluble in water; maximum solubility in plain water is estimated to be about 1-10 µM; buffers, serum, or

other additives may increase or decrease the aqueous solubility

Solvent content: none

Organic solvents: soluble in DMSO and ethanol

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#### **SECTION 10. STABILITY AND REACTIVITY:**

Stability: avoid acids and bases

Thermal decomposition / conditions to be avoided: protect from light and heat

Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide

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#### **SECTION 11. TOXICOLOGICAL INFORMATION:**

RTECS #: not available

Acute toxicity:

Primary irritant effect:

On the skin: irritant; toxic if absorbed through the skin

On the eye: may be an irritant

Inhalation: toxic if inhaled; may be an irritant

Ingestion: toxic if swallowed

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#### **SECTION 12. ECOLOGICAL INFORMATION:**

General notes: no data available

Treat as potentially toxic if released into the environment

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#### **SECTION 13. DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with prevailing country, federal, state and local regulations

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#### **SECTION 14. TRANSPORT INFORMATION:**

UN number: 3462

DOT: Toxins, extracted from living sources, solid, n.o.s. (Calyculin A), Class: 6.1,

Packing group: III

IMDG: Toxins, extracted from living sources, solid, n.o.s. (Calyculin A), Class: 6.1, Packing group: III

IATA: Toxins, extracted from living sources, solid, n.o.s. (Calyculin A), Class: 6.1, Packing group: III

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#### **SECTION 15. REGULATORY INFORMATION:**

Code letter and hazard designation of product:

T: Toxic

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S28: After contact with skin, wash immediately with plenty of water

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S38: In case of insufficient ventilation wear suitable respiratory equipment

S46: If swallowed, seek medical advice immediately and show this container or label

R24/25: Toxic in contact with skin and if swallowed

R26: Very toxic by inhalation

R38: Irritating to skin

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## **SECTION 16. OTHER INFORMATION:**

The above information is believed to be correct based on our present knowledge but does not purport to be complete. For research use only by trained personnel. The burden of safe use of this material rests entirely with the user. LC Laboratories disclaims all liability

Reviewed: July 1, 2019