Section 1. Product and Company Identification

Product Name: Cephalomannine
Product ID: T0096
Chemical Name (Synonyms): Taxol B
Supplier: LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com

Emergency Phone #: 1-800-424-9300

Section 2. Hazards Identification

GHS Classification
Skin irritation (Category 2), H315
Serious Eye Damage (Category 1), H318
Specific target organ toxicity - single exposure (category 3), Respiratory system, H335

GHS Label elements including precautionary statements

Pictogram

Signal word: Danger

Hazard statements:
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary statements:
P261 - Avoid breathing dust.
P264 - Wash skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, eye and face protection.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P332 + P313 - If skin irritation occurs: Get medical advice.
P362 - Take off contaminated clothing and wash before reuse.
P403 + P233 - Store in well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container to an approved waste disposal plant.

HMIS Classification
Health hazard: 2
Flammability: 0
Physical hazards: 0

NFPA Rating
Health hazard: 2
Fire: 0
Reactivity hazard: 0

Potential Health Effects
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes serious eye damage.
Ingestion: May be harmful if swallowed.

### Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Formula</th>
<th>CAS No.</th>
<th>Formula Wt.</th>
<th>EC No.</th>
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<tbody>
<tr>
<td></td>
<td>C_{45}H_{53}NO_{14}</td>
<td>71610-00-9</td>
<td>831.91</td>
<td></td>
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</table>

### Section 4. First Aid Measures

#### General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### Eye Contact
Rinse thoroughly with plenty of water. Consult a physician.

#### Skin Contact
Wash off with soap and plenty of water. Consult a physician.

#### Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5. Firefighting Measures

#### Flash Point
Not available.

#### Extinguishing Media
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Firefighting Procedures
Wear self contained breathing apparatus for firefighting if necessary.

#### Unusual Fire Hazards
Not available.

### Section 6. Accidental Release Measures

#### Personal Precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### Environmental Precautions
Do not let product enter drains.

#### Methods and materials for containment and cleanup
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### Section 7. Handling and Storage

#### Handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

#### Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended Storage Temperature: -20°C.

#### Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and nitrogen oxides.

#### Other Remarks
None.
Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTION
Eye Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection: Handle with gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after us in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

Section 9. Physical and Chemical Properties

Physical State
Solid.

Color
White powder.

Boiling Point
Not available.

Volatile
Not available.

Melting Point
Not available.

Density
Not available.

Solubility
Soluble in DMSO.

pH
Not available.

Flash Point
Not available.

Ignition temperature
Not available.

Lower explosion limit
Not available.

Autoignition temperature
Not available.

Upper explosion limit
Not available.

Vapor pressure
Not available.

Water solubility
Not available.

Odor
Not available.

Partition coefficient: n-octanol/water
Not available.

Odor Threshold
Not available.

Relative vapor density
Not available.

Evaporation rate
Not available.

Section 10. Stability and Reactivity

Stability
Stable under recommended storage conditions.

Materials To Avoid
Keep away from heat and strong oxidizing agents.

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and nitrogen oxides.
Section 11. Toxicological Information

- **Oral LD50**: Not available.
- **Inhalation LC50**: Not available.
- **Dermal LD50**: Not available.
- **Other information on acute toxicity**: Not available.
- **Skin corrosion/irritation**: Not available.
- **Serious eye damage/irritation**: Not available.
- **Respiratory or skin sensitization**: Not available.
- **Germ cell mutagenicity**: Not available.

**Carcinogenicity**
- **IARC**: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
- **ACGIH**: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- **NTP**: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- **OSHA**: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity**: Not available.

**Teratogenicity**: Not available.

**Specific organ toxicity single exposure (GHS)**
- **Inhalation - May cause respiratory irritation**
- **Synergistic effects**: Not available.

**Specific organ toxicity repeated exposure (GHS)**
- Not available.

**Additional Information**
- **RTECS**: Not available.

**Signs and symptoms of exposure**
- Chemical physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects**
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: May be harmful if absorbed through skin. Causes skin irritation.
- Eyes: Causes serious eye damage.
- Ingestion: May be harmful if swallowed.

**Section 12. Ecological Information**

- **Toxicity**: Not available.
- **Mobility in soil**: Not available.

**PBT and vPvB assessment**
- PBT/vPvB assessment not available as chemical safety assessment not required/not
Section 13. Disposal Considerations

Waste Disposal
Dispose of material according to all federal, state and local regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.

SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components Acute health hazard.

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components Cephalomannine CAS #: 71610-00-9 Revision Date:

New Jersey Right To Know Components Cephalomannine CAS #: 71610-00-9 Revision Date:

California Prop 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.