### Section 1. Product and Company Identification

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th>7-Aminoactinomycin D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product ID</strong></td>
<td>A4930</td>
</tr>
<tr>
<td><strong>Chemical Name</strong> (Synonyms)</td>
<td>7-Amino-Actinomycin D</td>
</tr>
<tr>
<td></td>
<td>7-amino-AMD</td>
</tr>
<tr>
<td></td>
<td>Actinomycin D, 7-amino-</td>
</tr>
<tr>
<td><strong>Supplier</strong></td>
<td>LKT Laboratories, Inc</td>
</tr>
<tr>
<td></td>
<td>545 Phalen Blvd.</td>
</tr>
<tr>
<td></td>
<td>St. Paul, MN 55130 USA</td>
</tr>
<tr>
<td><strong>Emergency Phone #</strong></td>
<td>1-800-424-9300</td>
</tr>
</tbody>
</table>

### Section 2. Hazards Identification

**GHS Classification**

- Acute toxicity, Oral (Category 2), H300

### GHS Label elements including precautionary statements

- **Pictogram**
- **Signal word** Danger
- **Hazard and precautionary statements**
  - **Hazard statement**
    - H300 - Fatal if swallowed.
  - **Precautionary statements**
    - P264 - Wash skin thoroughly after handling.
    - P270 - Do not eat, drink, or smoke when using this product.
    - P405 - Store locked up.
    - P501 - Dispose of contents/container to an approved waste disposal plant.

### HMIS Classification

- Health hazard: 4
- Chronic health hazard: *
- Flammability: 0
- Physical hazard: 0

### NFPA Rating

- Health hazard: 3
- Fire hazard: 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. May cause skin irritation.
- **Eyes** - May cause eye irritation.
Section 3. Composition/Information on Ingredients

Substances

<table>
<thead>
<tr>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
</table>

Formula

C_{62}H_{87}N_{13}O_{16}  

CAS No.

7240-37-1

Formula Wt.

1270.43

EC No.

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

Flush eyes with water as a precaution.

Skin Contact

Wash off with soap and plenty of water. Take victim immediately to hospital. 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

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures

Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards

Carbon oxides, nitrogen oxides (NOx).

Section 6. Accidental Release Measures

Personal Precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. 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. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. 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: +4°C

Hazardous Decomposition Products

Not available.

Other Remarks

Light sensitive. Moisture sensitive.
Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values.
Hazardous components without workplace control parameters. Avoid contact with skin, eyes, and clothing.
Wash hands before breaks and immediately after handling the product.

PERSONAL PROTECTION
Eye/face 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. 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 use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and splash contact - Material: Nitrile rubber. Minimum layer thickness: 0.11 mm, Break through time: 460 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

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 Purple powder
Boiling Point Not available.
Vapor pressure Not available.
Melting Point 250ºC
Density Not available.
Solubility Soluble in ethanol.
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
Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products
Not available.
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 Mouse, lymphocyte, DNA inhibition. Mammal, lymphocyte, DNA damage.

Reproductive Toxicity Not available.

Aspiration Hazard Not available.

Specific organ toxicity single exposure (GHS) Not available.

Synergistic effects Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Additional Information RTECS: AU1579000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Signs and symptoms of exposure Nausea, headache, vomiting.

Potential Health Effects Inhalation - May be harmful if inhaled. May cause respiratory tract irritation. Skin - May be harmful if absorbed through skin. May cause skin irritation. Eyes - May cause eye irritation. Ingestion - Acute toxicity. Fatal if swallowed.

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.

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 available.

Possibility of hazardous reactions Not available.

Under fire conditions, hazardous decomposition products are formed: Carbon oxides, nitrogen oxides (NOx).

Conditions to avoid
Section 13. Disposal Considerations

**Waste Disposal**

Dispose of material according to all federal, state, and local regulations. Offer material to a licensed, professional waste disposal company to dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

Section 14. Transport Information

**DOT (US)**

- UN number: 3462  Class: 6.1  Packing Group: II
- Proper shipping name: Toxins, extracted from living sources, solid, n.o.s. (7-Aminoactinomycin D)
- Poison hazard: No

**IATA**

- UN number: 3462  Class: 6.1  Packing Group: II
- Proper shipping name: Toxins, extracted from living sources, solid, n.o.s. (7-Aminoactinomycin D)

**IMDG**

- UN number: 3462  Class: 6.1  Packing Group: II  EMS #: F-A, S-A
- Proper shipping name: TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (7-Aminoactinomycin D)

Further Information

Section 15. Regulatory Information

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, 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**

7-Aminoactinomycin D  CAS #: 7240-37-1  Revision Date:

**New Jersey Right To Know Components**

7-Aminoactinomycin D  CAS #: 7240-37-1  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

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.