Section 1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>URB597</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product ID</td>
<td>U682040</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name (Synonyms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKT Laboratories, Inc</td>
</tr>
<tr>
<td>545 Phalen Blvd.</td>
</tr>
<tr>
<td>St. Paul, MN 55130 USA</td>
</tr>
<tr>
<td>Ph: 651-644-8424 Fax: 651-644-8357</td>
</tr>
<tr>
<td><a href="http://www.lktlabs.com">www.lktlabs.com</a> - <a href="mailto:getinfo@lktlabs.com">getinfo@lktlabs.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Phone #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-800-424-9300</td>
</tr>
</tbody>
</table>

Section 2. Hazards Identification

GHS Classification

- Acute aquatic toxicity (Category 1), H400
- Chronic aquatic toxicity (Category 1), H410

GHS Label elements including precautionary statements

- **Pictogram**
- **Signal word**: Warning
- **Hazard and precautionary statements**
  - **Hazard statement**
    - H400 - Very toxic to aquatic life.
    - H410 - Very toxic to aquatic life with long lasting effects.
  - **Precautionary statements**
    - P273 - Avoid release to the environment.
    - P391 - Collect spillage.
    - P501 - Dispose of contents/container to an approved waste disposal plant.

HMIS Classification

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

NFPA Rating

- Health hazard: 0
- 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 causes eye irritation.
Ingestion: May be harmful if swallowed.

**Section 3. Composition/Information on Ingredients**

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>( \text{C}<em>{20}\text{H}</em>{22}\text{N}<em>{2}\text{O}</em>{3} )</td>
<td>338.41</td>
</tr>
<tr>
<td>CAS No.</td>
<td>546141-08-6</td>
<td>EC No.</td>
</tr>
</tbody>
</table>

**Section 4. First Aid Measures**

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**
Flush eyes with water as a precaution.

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

**Firefighting Procedures**
Wear self-contained breathing apparatus for fire fighting if necessary.

**Unusual Fire Hazards**
Not available.

**Section 6. Accidental Release Measures**

**Personal Precautions**
Avoid dust formation. Avoid breathing 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. Discharge into the environment must be avoided.

**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**
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**
Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).

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

**Personal protective equipment**
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/face protection**: 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.
- **Body protection**: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Respiratory protection**: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
<th>Solubility</th>
<th>Ignition temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>White powder</td>
<td>50mM in DMSO</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
<td></td>
<td>Volatility</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
<td></td>
<td>Density</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
<td></td>
<td>pH</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Not available</td>
<td></td>
<td>Autoignition temperature</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Not available</td>
<td></td>
<td>Vapor pressure</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Not available</td>
<td></td>
<td>Odor</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
<td></td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>Not available</td>
<td></td>
<td>Evaporation rate</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity

- **Stability**: Stable under recommended storage conditions.
- **Materials To Avoid**: Strong oxidizing agents.
- **Hazardous Decomposition Products**: Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).
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)** Not available.

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

**Synergistic effects** Not available.

**Aspiration Hazard** Not available.

**Additional Information** Not available.

**Signs and symptoms of exposure** Not available.

**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:** 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 material to a licensed, professional waste disposal company to dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (URB597)
Marine pollutant: yes

IMDG UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (URB597)
Marine pollutant: yes

Further Information EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

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 No SARA hazards.

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

Pennsylvania Right To Know Components URB597 CAS: 546141-08-6

New Jersey Right To Know Components URB597 CAS: 546141-08-6

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.