Section 1. Product and Company Identification

Product Name   Nadifloxacin
Product ID     N0114
Chemical Name  Jinofloxacin; Acuatim
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 Not classified.

GHS Label elements including precautionary statements

Pictogram

Signal word Not classified.

Hazard and precautionary statements

HMIS Classification Not classified.

NFPA Rating Not classified.

Potential Health Effects
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: May cause eye irritation.
Section 3. Composition/Information on Ingredients

**Substances**

**Formula** \( \text{C}_{19}\text{H}_{21}\text{F}_{2}\text{O}_{4} \)  
**Formula Wt.** 360.38  
**CAS No.** 124858-35-1

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**
Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

**Skin Contact**
Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

**Inhalation**
Remove from exposure and provide respiration support if necessary. Seek medical attention.

**Ingestion**
Rinse mouth with water. Contact a physician or poison control immediately.

Section 5. Firefighting Measures

**Flash Point**
Not available.

**Extinguishing Media**
Water spray, dry chemical powder, carbon dioxide, polymer foam.

**Firefighting Procedures**
Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire Hazards**
May emit toxic fumes.

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**
Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

**Handling**
Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

**Storage Conditions**
Store in a cool, dry place in a tightly closed container.

**Hazardous Decomposition Products**
Nature of decomposition products not known.

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

**Personal protective equipment**
Contains no substances with occupational exposure limit values.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN143) 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).

**Hand 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.

**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 and 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.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>Pale Yellow</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Physical State</td>
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<tr>
<td>Color</td>
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<td>Boiling Point</td>
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<td>Volatility</td>
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<td>Melting Point</td>
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<tr>
<td>Density</td>
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<td>pH</td>
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<td>Flash Point</td>
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<td>Lower explosion limit</td>
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<td>Upper explosion limit</td>
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<td>Vapor pressure</td>
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<td>Odor Threshold</td>
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<td>Relative vapor density</td>
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<tr>
<td>Evaporation rate</td>
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</tbody>
</table>

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**Section 10. Stability and Reactivity**

**Stability**
Stable

**Materials To Avoid**
Not Available

**Hazardous Decomposition Products**
Nature of decomposition products not known.
Section 11. Toxicological Information

### Oral LD50
LD50 Intravenous - mouse - 376.5 mg/kg

### Skin corrosion/irritation
Not available.

### Inhalation LC50
Not available.

### Serious eye damage/irritation
Not available.

### Dermal LD50
Not available.

### Respiratory or skin sensitization
Not available.

### Other information on acute toxicity
Not available.

### Germ cell mutagenicity
Not available.

### 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
Not available.

### Teratogenicity
Not available.

### Signs and symptoms of exposure
Not available.

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

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Section 12. Ecological Information

### Toxicity
Not available.

### Mobility in soil
Not available.

### PBT and vPvB assessment
Not available.
Section 13. Disposal Considerations

Waste Disposal
Dispose of material according to all federal, state and local regulations.

Persistence and degradability Not available.
Bioaccumulative potential Not available.
Other adverse effects Not available.

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 No SARA hazards.

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

Pennsylvania Right To Know Components Nadifloxacin CAS: 124858-35-1

New Jersey Right To Know Components Nadifloxacin CAS: 124858-35-1

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.