1. **IDENTIFICATION**

Product Identifier: Mupirocin

Product Number: M022

Distributor Name: TOKU-E Company

Distributor Address: 715 W Orchard Dr. Suite 3  
Bellingham, WA 98225

Phone Number: (360)734-1789

Emergency Phone Number (International): +1 (352) 353-3500

Emergency Phone Number (US Only): 1 (800) 535-5053

Safety Data Sheet Issued by: TOKU-E USA

CAS-Number: [12650-69-0]

EC/REACH Number: [603-145-3]

Recommended Use: Commonly used in clinical *in vitro* microbiological antimicrobial susceptibility tests

Restrictions of Use: Not for human or animal use

2. **HAZARD(S) IDENTIFICATION**

GHS Classification: Not a hazardous substance or mixture per GHS

GHS Label Elements, Including: None

Hazard Statements: None

Precautionary Statements: None

Hazards not otherwise classified (HNOC): None

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

Synonym(s): Nonanoic acid, Bactroban, Pseudomonic acid

Formula: C_{26}H_{44}O_{9}

Molecular Weight: 500.62

CAS-Number: [12650-69-0]

EC/REACH Number: [603-145-3]

Hazardous Components: None

4. **FIRST-AID MEASURES**

General Advice: Consult a doctor/physician if exposed - additional medical care may be required. Show this Safety Data Sheet to the medical provider.

If Inhaled: If inhaled, move to fresh air. If not breathing, give artificial respiration and immediately call local emergency telephone number.

In Case of Skin Contact: Wash skin thoroughly with soap and water.

In Case of Eye Contact: Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.

If Swallowed: Rinse mouth with water. Immediately call a doctor,
physician, or poison control center. Never give anything by mouth to an unconscious person.

Specific Treatment Please see Section 2 precautionary statements and/or Section 11.

5. FIRE-FIGHTING MEASURES
Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
Special Protective Equipment for Firefighters Wear self-contained breathing apparatus
Hazardous Combustion Products Formed under fire conditions: carbon oxides, carbon monoxide, hydrogen peroxide

6. ACCIDENTAL RELEASE MEASURES
General Evacuate personnel to a safe location. Use appropriate personal protective equipment while in contact with product. Avoid dust formation. Ensure adequate ventilation.
Personal Precautions Prevent contamination of skin, eyes and clothing with appropriate protective equipment (Section 8). Wear respiratory protection.
Environmental Precautions Recover waste, if possible, and place in suitable closed container for licensed disposal. Prevent spillage - do not let product enter drains.

7. HANDLING AND STORAGE
Precautions for Safe Handling Wear appropriate protective clothing/gear to prevent contact with skin and eyes. Provide exhaust ventilation or respiratory protection in areas where dust is formed.
Precautions for Safe Storage Store in a tightly closed container. Protect from humidity.
Incompatibilities No Data Available
Recommended storage temperature: <30°C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
Contains no substance/substances with occupational exposure limit values
OSHA Permissible Exposure Limits No Data Available
NIOSH Recommended Exposure Limits No Data Available
ACGIH Threshold Limit Values No Data Available
PPE: 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)

**PPE: Hand Protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands.

**PPE: Eye Protection**
Use a 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).

**PPE: Skin and Body Protection**
Handle with gloves. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. When deemed needed according to the concentration and amount of this product, use a complete body suit.

**9. PHYSICAL/CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Almost white or off-white powder</td>
</tr>
<tr>
<td>Lower Flammability/Explosion Limit</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Upper Flammability/Explosion Limit</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Odor</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>pH</td>
<td>3.5 – 4.5</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Boiling Point and Range</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol/water</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Optical Rotation</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Absorbance (290nm, 5% in H₂O)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Water Content (Loss on Drying)</td>
<td>No more than 1.0%</td>
</tr>
</tbody>
</table>

**10. STABILITY AND REACTIVITY**

**Chemical Stability**
Stable under recommended storage conditions
11. TOXICOLOGICAL INFORMATION

Oral LD$_{50}$ Rat: 5 gm/kg
Inhalation LC$_{50}$ No Data Available
Dermal LD$_{50}$ No Data Available
Intraperitoneal LD$_{50}$ No Data Available
Intravenous LD$_{50}$ Rat: 1310 mg/kg
Subcutaneous LD$_{50}$ Rat: 5 gm/kg
Skin Corrosion/Irritation No Data Available
Serious Eye Damage/ Eye Irritation No Data Available
Respiratory or Skin Sensitization No Data Available
Germ Cell Mutagenicity No Data Available
Carcinogenicity This substance has not been identified as a potential carcinogen within the National Toxicology Program Report on Carcinogens or within the International Agency for Research on Cancer Monograph.
Reproductive Toxicity No Data Available
Specific Target Organ Toxicity: Single No Data Available
Exposure (GHS)
Specific Target Organ Toxicity: Repeated No Data Available
Exposure (GHS)
Aspiration Hazard No Data Available
Potential Health Effects See Section 2, Hazard(s) Identification
Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated
Synergistic Effects No Data Available
Additional Information No Data Available

12. ECOLOGICAL INFORMATION

Toxicity No Data Available
Persistence and Degradability No Data Available
Bio accumulative Potential No Data Available
Mobility in Soil No Data Available
PBT and vPvB Assessment No Data Available

In the absence of complete ecological information, treat product as environmentally hazardous. Use proper storage, handling, and disposal to prevent unintentional release into the environment.

13. DISPOSAL CONCENTRATIONS

Product Dispose of product through a licensed disposal
Company.

Contaminated Packaging
Dispose of as unused product.

14. TRANSPORTATION INFORMATION
DOT (US)
Not a Dangerous Good

IMDG
Not a Dangerous Good

IATA
Not a Dangerous Good

15. REGULATORY INFORMATION
SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312 Hazards
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312

Massachusetts Right to Know
No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know
No components are subject to the Pennsylvania Right to Know Act

New Jersey Right to Know
No components are subject to the New Jersey Right to Know Act

California Prop. 65 Components
No
This product does not contain any chemicals known to the State of California to cause birth defects, cancer, or any other reproductive harm

EU Information
SDS in accordance with REACH 1907/2006
EC/ REACH Number [603-145-3]
CAS-Number [12650-69-0]
Name: Mupirocin
Envisaged Registration Deadline: 31/05/2018
See GHS Information under Section 2, Hazard Identification

16. OTHER INFORMATION
Revision Date: 2016-10-12

HMIS Rating
Health Hazard 0
Chronic Health Hazard 1
Flammability 0
Physical Hazard N

NFPA Rating
Health Hazard 0

TOKU-E Company
Safety Data Sheet
Fire Hazard 1
Reactivity Hazard 0

This safety data sheet represents TOKU-E Company’s current understanding of the hazards associated with this product. The stated hazard information is based on existing experimental data and is not guaranteed to be all-inclusive. TOKU-E Company strives to maintain current and comprehensive safety information but recognizes that this safety data sheet may require revision as new information becomes available. TOKU-E Company shall not be held liable for damage or injury resulting from contact, handling, or storage of this product.