

	<b>Cloxacillin Sodium - MATERIAL</b> <b>SAFETY DATA SHEET</b> Version 2.0 Revision Date 09/01/2010
<b>1. SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION</b>	
<b>Product Name</b> Cloxacillin Sodium	
<b>Product Number</b>	C038
<b>Procedure</b>	N/A
<b>Brand</b>	TOKU-E
<b>Company</b>	715 W. Orchard Drive Suite 3 Bellingham, WA 98225
<b>EMERGENCY PHONE (US only)</b>	+1-800-535-5053
<b>INF</b>	+86-21-5206-9530
<b>2. CHEMICAL COMPOSITION AND DATA ON COMPONENTS</b>	
<b>CAS NO.</b>	642-78-4
<b>Formula</b>	C <sub>19</sub> H <sub>17</sub> ClN <sub>3</sub> NaO <sub>5</sub> S
<b>Molecular Weight</b>	457.86
<b>3. HAZARD IDENTIFICATION</b>	
<b>OSHA Hazards</b>	No known OSHA hazards
<b>4. FIRST-AID MEASURES</b>	
<b>In case of eye and skin contact</b> In case of skin contact, wash off with soap and plenty of water. In case of eye contact, flush eyes with water as a precaution.	
<b>If inhaled</b> If breathed in, move person into fresh air. If not breathing give artificial respiration.	

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

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

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Avoid dust formation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Keep in a dry place.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****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).

**Hand protection**

For prolonged or repeated contact use protective gloves.

**Eye protection**

Safety glasses.

**Hygiene measures**

General industrial hygiene practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White powder
pH	N/A
Melting point	N/A
Solubility	N/A

**10. STABILITY AND REACTIVITY****Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents, Alkali metals.

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Oral rat LD <sub>50</sub>	5,000 mg/kg
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**Irritation and corrosion**

no data available

**Sensitisation**

May produce an allergic reaction.

**Carcinogenicity**

IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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ACGIH	No components 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 components 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 components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure**

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

**Potential Health Effects**

<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.

**12. ECOLOGICAL INFORMATION**

Data not yet available.

**13. DISPOSAL CONSIDERATIONS****Product**

Observe all federal, state, and local environmental regulations.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

<b>DOT (US)</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods

**15. REGULATORY INFORMATION****OSHA Hazards**

No known OSHA hazards	
<b>DSL Status</b>	
All components of this product are on the Canadian DSL list.	
<b>SARA 302 Components</b>	
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
<b>SARA 313 Components</b>	
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.	
<b>SARA 311/312 Hazards</b>	
No SARA Hazards.	
<b>Massachusetts Right To Know Components</b>	
No components are subject to the Massachusetts Right to Know Act.	
<b>Pennsylvania Right To Know Components</b>	
	CAS-No.
Cloxacillin sodium salt	642-78-4
<b>New Jersey Right To Know Components</b>	
	CAS-No.
Cloxacillin sodium salt	642-78-4
<b>California Prop. 65 Components</b>	
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.	
<b>16. OTHER INFORMATION</b>	
<b>Further information</b>	
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Toku-e Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.	

