1. IDENTIFICATION
   Product Identifier: Cephalothin sodium
   Product Number: C026
   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) 323-3500
   Emergency Phone Number (US only): 1 (800) 535-5053
   Safety Data Sheet Issued by: TOKU-E USA
   CAS-No.: [58-71-9]
   EC/REACH Number: [200-394-6]
   Recommended Use: First-generation cephalosporin antibiotic, freely soluble in aqueous solution
   Restrictions on Use: Not for human or animal use

2. HAZARD(S) IDENTIFICATION
   GHS Classification:
   Respiratory sensitization (Category 1)
   Skin sensitization (Category 1)
   GHS Label Elements, Including Precautionary statements
   Signal Word: Danger
   Hazard Statements:
   H317: May cause an allergic skin reaction
   H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
   Precautionary Statements:
   P261: Avoid breathing dust/ fumes/ gas/ mist/vapors/spray
   P272: Contaminated work clothing should not be allowed out of the workplace
   P280: Wear protective gloves/ eye protection/ face protection
   P285: In case of inadequate ventilation, wear respiratory protection
   P302 + P352: IF ON SKIN: Wash with plenty of soap and water
   P304+P341: IF INHALED: If breathing is difficult,
remove victim to fresh air and keep at rest in a position comfortable for breathing

P321: Specific treatment (see supplemental first aid instructions)
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention
P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P362: Take off contaminated clothing and wash before reuse
P501: Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) by GHS
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym(s) Cefalotin sodium; Cephalotin sodium; 7-(2-Thienylacetamido)cephalosporanic acid sodium salt

Formula C_{16}H_{15}N_{2}NaO_{6}S_{2}

Molecular Weight 418.42 g/mol

CAS-No. [58-71-9]

EC-No. [200-394-6]

Index-No. Not available

Hazardous components Cephalothin sodium

Respiratory sensitization (Category 1)
Skin sensitization (Category 1)

4. FIRST-AID MEASURES

General Advice Consult a physician. Show this Safety Data Sheet to the medical provider

If Inhaled If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a doctor

In Case of Skin Contact Wash thoroughly with plenty of soap and water

In Case of Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, consult a doctor

If Swallowed Never give anything by mouth to an unconscious person. Consult a doctor. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed No data available
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, Nitrogen, Sulfur, and Sodium oxides

6. **ACCIDENTAL RELEASE MEASURES**
   
   General: Evacuate personnel to safe location
   
   Personal Precautions: Wear respiratory protection. Avoid dust formation and breathing vapors/mist/dust/gas. Ensure adequate ventilation
   
   Environmental Precautions: Prevent spillage, do not let product enter drains
   
   Methods of Containment and Cleanup: Place in suitable, closed containers for licensed disposal. Avoid dust formation

7. **HANDLING AND STORAGE**
   
   Precautions for Safe Handling: Avoid contact with skin and eyes. Provide exhaust ventilation in areas where dust if formed
   
   Precautions for Safe Storage: Keep container tightly closed and in a dry, well-ventilated place. Recommended storage temperature: -20° C. Protect from Light.
   
   Incompatibilities: None known

8. **EXPOSURE CONTROLS/ PERSONAL PROTECTION**
   
   Contains no substances with occupational exposure limit values
   
   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

- **Appearance**: White or almost-white crystalline powder
- **pH**: 4.5-7.0, 250 mg/mL
- **Melting Point/Freezing Point**: 240°C
- **Boiling Point**: No data available
- **Flash Point**: No data available
- **Ignition Temperature**: No data available
- **Autoignition Temperature**: No data available
- **Lower Explosion Limit**: No data available
- **Upper Explosion Limit**: No data available
- **Vapor Pressure**: No data available
- **Density**: No data available
- **Water Solubility**: Freely soluble
- **Solubility in Other Solvents**: No data available
- **Partition Coefficient: n-octanol/water**: No data available
- **Optical Rotation**: +124° to +134°
- **Absorbance (290nm, 5% in H2O)**: No data available
- **Water content (Karl Fisher)**: <1.5%

10. STABILITY AND REACTIVITY

- **Chemical Stability**: Stable under recommended storage conditions. May discolor (turn yellow) upon exposure to light
- **Possibility of Hazardous Reactions**: No data available
- **Conditions to Avoid**: Light
- **Materials to Avoid**: Strong oxidizing agents
- **Hazardous Decomposition Products**: Carbon, Nitrogen, Sodium, and Sulfur oxides formed under fire conditions

11. TOXICOLOGICAL INFORMATION

- **Oral LD50**: Rat: >10,000 mg/kg
- **Inhalation LC50**: No data available
- **Dermal LD50**: No data available
- **Intraperitoneal LD50**: No data available
- **Intravenous LD50**: No data available
- **Skin Corrosion/Irritation**: No data available
- **Serious Eye Damage/ Eye Irritation**: No data available
- **Respiratory or Skin Sensitization**: β-lactams are a broad class of antibiotics and include penicillins and cephalosporins. Some individuals experience adverse
immunological responses or allergic reactions to β-lactam antibiotics. Because of the similarity in structure between penicillins and cephalosporins, those who are allergic to one class of agents may manifest cross-allergenicity when exposed to a member of another class.

TOKU-E Company assumes this chemical has the potential to induce an allergic reaction in some individuals. To the best of our knowledge, the correlation between this specific material and respiratory or skin sensitization has not been thoroughly investigated.

Germ Cell Mutagenicity
No data 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
No data available

Specific Target Organ Toxicity: Single Exposure (Globally Harmonized System)
No data available

Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)
No data available

Aspiration Hazard
No data available

Potential Health Effects
See Section 2, Hazard(s) Identification

Signs and Symptoms of Exposure
No data available

Synergistic Effects
No data available

Additional Information
RTECS: XI0388300

12. ECOLOGICAL INFORMATION

Toxicity
No data available

Persistence and Degradability
No data available

Bioaccumulative Potential
No data available

Mobility in Soil
No data available

PBT and vPvB Assessment
No data available

Treat as if harmful if released into environment

13. DISPOSAL CONSIDERATIONS
14. TRANSPORTATION INFORMATION
DOT (US) Not Dangerous Goods
IMDG Not Dangerous Goods
IATA Not Dangerous Goods

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 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 Hazards No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312
Massachusetts Right to Know Components No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components Cefalotin sodium
CAS-No. [58-71-9]
Revision Date: Not available
New Jersey Right to Know Components Cefalotin sodium
CAS-No. [58-71-9]
Revision Date: Not available
California Prop. 65 Components 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 Number [200-394-6]
CAS-No. [58-71-9]
Name: cefalotin sodium
Envisaged Registration Deadline: 30/11/2010
See GHS Information under Section 2, Hazard Identification

16. OTHER INFORMATION
Date of last revision: 2016-02-24

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 Company shall not be held liable for any damage resulting from handling or from contact with the above product.
Please see reverse side of invoice or packing slip for additional terms and conditions of sale.