CEFAZOLIN FOR INJECTION, USP

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: Cefazolin for Injection, USP
Supplier: West-Ward Pharmaceuticals
401 Industrial Way West,
Eatontown, NJ 07724
Phone (732 542 1191)
Fax (732 720 6220)

Technical Phone: (800 631 2174)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number Description Amount
27164-46-1 Cefazolin Sodium 500mg, 1g, 10g vials

Category: Anti-Infective

SECTION 3. HAZARDS IDENTIFICATION, EMERGENCY OVERVIEW

Route of Entry: Inhalation, eye/skin contact, or ingestion

Chemical List as Carcinogen:
NTP: No
IARC: No
OSHA: No

Note: May cause hypersensitivity reactions to individuals sensitive to cephalosporins, penicillins, or other drugs.

SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek medical attention
Skin: Remove contaminated clothing immediately. Flush area with water for at least 15 minutes. Seek medical attention as needed.
Inhalation: Move exposed subject to well ventilated area immediately. Give artificial and cardiopulmonary resuscitation (CPR) if required. Seek medical attention.
Ingestion: Flush mouth with water immediately. Seek medical attention
SECTION 5. FIRE AND EXPLOSION DATA

Fire and explosion Data

Closed Cup Flash Point: N/A
Open Cup Flash Point: N/A
Fire Point: N/A
Autoignition: N/A
Lower Explosion Limit: N/A

General Hazard: When heated to decomposition it emits very toxic fumes of NO, Na2O and SO.

Fire Fighting Instructions: Wear self-containing breathing apparatus and protective clothing.

Hazardous Combustion Products: Toxic fumes of NOx, Na2O and SOx.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Clean Up: Wear recommended personal protective equipment. Use appropriate absorbent material to clean affected area. Wipe area with soap and water. Dispose of materials according to the applicable federal, state and/or local regulations.

SECTION 7. HANDLING AND STORAGE

General Handling: When handling pharmaceutical products, avoid all contact and inhalation of dust, fumes, mist, and/or vapors associated with product.

Storage Conditions: Store at controlled room temperature 20º - 25ºC (68º - 77ºF). Protect from light and excessive heat. [see USP Controlled Room Temperature].

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General room ventilation is usually satisfactory. Use Local exhaust ventilation if necessary.

Personal Protective Equipment

Eye protection: Safety glasses or goggles recommended.
Hand protection: Latex rubber gloves recommended.
Respiratory Protection: With satisfactory ventilation, respirators are not required.

Exposure Limits:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Issuer</th>
<th>Type</th>
<th>OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefazolin Sodium</td>
<td>OSHA</td>
<td>PEL</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>TLV</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td>STEL</td>
<td>NE</td>
</tr>
</tbody>
</table>
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form/ Appearance</td>
<td>Yellowish-white odorless, crystalline powder.</td>
</tr>
<tr>
<td>Boiling Point/ Boiling Range</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point/ Melting Range</td>
<td>198°C - 200°C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Relative Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>4.6 - 6.0</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>476.52</td>
</tr>
<tr>
<td>Solvent Solubility</td>
<td>Freely soluble in water.</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY DATA.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Avoid direct sunlight and conditions that might heat and cause dispersion as aerosol. Avoid storage next to strong oxiders.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

SECTION 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute Toxity</th>
<th>Compound Type</th>
<th>Route</th>
<th>Species</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefazolin Sodium</td>
<td>LD50</td>
<td>IV</td>
<td>Rat</td>
<td>2760 mg/kg</td>
</tr>
</tbody>
</table>

Other: IMMEDIATE EFFECTS:
Eye, skin and respiratory irritation may occur.

DELAYED EFFECTS:
Hypersensitivity reactions ranging from mild to life-threatening may occur in individuals allergic to the cephalosporin and penicillin groups.

SECTION 12. ECOLOGICAL INFORMATION

Information is currently not available on the environmental impact of Cefazolin. Handle in a manner to prevent spills or releases to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of by incineration at an approved /permitted incinerator. Review local, state, and federal regulations for your regulatory area.
SECTION 14. TRANSPORT INFORMATION

UN/NA Number: N/A
US DOT Hazard Class: N/A
Proper Shipping Name: N/A
Shipping Label: N/A

SECTION 15. REGULATORY INFORMATION

U.S. Regulatory Information: not regulated.

SECTION 16. OTHER INFORMATION

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