



Harbin Hejia Pharmaceutical Co., Ltd.

Add: ECONOMIC AND TECHNICAL DEVELOPMENT ZONE SHANGZHI CITY, HEILONGJIANG, CHINA.

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Material Safety Data Sheet

1 Chemical Product and Company Identification

MSDS Name: Cefotaxime sodium;

(6R,7R)-3-[(Acetyl-oxy)methyl]-7-[[[(2Z)-(2-amino-4-thiazolyl)(methoxyimino)-acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic sodium

Company Identification:

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2 Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS
64485-93-4	Cefotaxime sodium; (6R,7R)-3-[(Acetyl-oxy)methyl]-7-[[[(2Z)-(2-amino-4-thiazolyl)(methoxyimino)-acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic sodium	≥90.0%	264-915-9

3 Hazards Identification

EMERGENCY OVERVIEW

Appearance: Off white to yellowish crystalline powder.

Warning! Causes eye, skin, and respiratory tract irritation.

Target Organs: Respiratory system, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema.

Chronic: No information found.

4 First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated



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clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician: Treat symptomatically and supportively.

5 Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray..

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

6 Accidental Release Measures

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

Measures for Environmental Protections: Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7 Handling and Storage

Handling: Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

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

8 Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

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Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cefotaxime sodium; (6R,7R)-3-[(Acetyl-oxy)methyl]-7-[[[(2Z)-(2-amino-4-thiazolyl)(methoxyimino)-acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic sodium	none listed	none listed	none listed

OSHA Vacated PELs:

(6R)-3-(Acetoxymethyl)-7 α -[[[(2-amino-4-thiazolyl)[(Z)-methoxyimino]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic sodium: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection: If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.

9 Physical and Chemical Properties

Physical State: Powder

Appearance: off white

Odor: Not available.

pH: 4.5~6.5

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Decomposition Temperature: Not available.

Solubility: Easily soluble in cold water, very slightly soluble in dehydrated alcohol, sparingly soluble in methyl alcohol.

Specific Gravity/Density: Not available.

Molecular Formula: C₁₆H₁₆N₅NaO₇S₂

Molecular Weight: 477.44

10 Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials, dust generation, excess heat.



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Incompatibilities with Other Materials: Oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported

11 Toxicological Information

Route of entry: Inhalation, Ingestion

Toxicity to animals: Acute oral toxicity (LC50): >10000mg/kg (Mouse)

Irritation / Sensitization: (Study Type, Species, Severity)

Skin Irritation / Sensitization Hypersensitivity reactions, including cross reactions (with penicillins) and anaphylaxis, are common among the cephalosporins.

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

In vitro bacterial mutagenicity Salmonella, E coli Negative

In vitro micronucleus Mouse Negative

In vitro mammalian cell mutagenicity Mouse Lymphoma Negative

Carcinogen Status: Not listed as a carcinogen by IARC, NTP or US OSHA.

12 Ecological Information

No information available.

13 Disposal Considerations

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

14 Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:	Not regulated as a hazardous material	No information available.
UN Number:	Not regulated as a hazardous material	No information available.
Packing Group:	Not regulated as a hazardous material	No information available.



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15 Regulatory Information

EU Symbol: Xn

EU Indication of danger: Harmful

Irritant

EU Risk Phrases:

R42 - May cause sensitization by inhalation.

R43 - May cause sensitization by skin contact.

EU Safety Phrases:

S22 - Do not breathe dust.

S24 - Avoid contact with skin.

OSHA Label:

DANGER

May cause allergic skin reaction.

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

Canada - WHMIS: Classifications

WHMIS hazard class:

Class D, Division 2, Subdivision A

Class D, Division 2, Subdivision B

16 Additional Information

The information contained herein is accurate to the best of our knowledge, but is not meant to be complete and is included only as a guide. The end user is responsible for any damage resulting from handling from contact with this product.

End of Safety Data Sheet

Prepared by: Harbin Hejia Pharmaceutical Co., Ltd. Product Safety Department