



Material Safety Data Sheet

MSDS Number: 1118059
Revision date: 09/27/2006
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 1118059
Product name: Cefazolin for Injection, USP
Product code: NDC 10019-610-01, NDC 10019-611-03, NDC 10019-610-02, NDC 10019-611-04, NDC 10019-612-05, NDC 10019-613-06, NDC 10019-612-11
Synonyms: None
Chemical Family: Antibiotic
Product Type: Regulated Prescription Drug
Container Information: Vials and pharmacy bulk package
Product Use: Pharmaceutical.

Supplier:
BAXTER HEALTHCARE CORPORATION
DEERFIELD, ILLINOIS 60015
(800) 422-9837 or (847) 948-4770

Emergency telephone number: PROSAR: USA (888) 990-0996 OUTSIDE USA (615)917-6114
CHEMTREC: USA (800) 424-9300 OUTSIDE USA (743)741-6089

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	UN Number:	Classification:
Cefazolin Sodium 27164-46-1	100	None	None

3. HAZARDS IDENTIFICATION

Emergency overview: Irritation potential to skin, eyes, and mucous membranes. May cause allergic reaction.

Principle routes of exposure: Skin. Eye contact. Inhalation. Ingestion.

Inhalation: No known effect according to our database.

Ingestion: Gastrointestinal effects (may include nausea, upset stomach, loss of appetite). Liver function effects (may include increased levels of SGOT, SGPT, serum LDH, jaundice). Renal function effects (may include increased levels of creatinine, BUN, renal failure). Blood effects (may include anemia, neutropenia (decreased number of neutrophils), thrombocytopenia (decreased number of platelets), bone marrow depression). Hypersensitivity (may include drug fever, rash, itching, anaphylaxis). Nervous system effects (headache, dizziness, light headedness). Seizures.

Skin contact: May cause irritation and/or allergic reactions.

Eye contact: May cause irritation and/or allergic reactions.

4. FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Skin contact:	Wash contaminated skin with soap and water. Get medical attention if irritation develops.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
Notes to physician:	See patient package insert in shipping carton for complete information.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use foam or all purpose dry chemicals to extinguish.
Special protective equipment for firefighters:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Specific methods:	No information available
Flash point:	Not determined
Autoignition temperature:	Not available
Flammable limits in air-lower (%):	Not available
Flammable limits in air-upper (%):	Not available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental precautions:	No information available.
Methods for cleaning up:	If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid production of dust.

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions:	Wash thoroughly after handling.
Storage:	
Technical measures/Storage conditions:	Keep containers tightly closed in a cool, well-ventilated place. Store at room temperature between 20°C and 25°C (68°F and 77°F). Protect from light.
Incompatible products:	No special restrictions on storage with other products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	OSHA- Time Weighted Average:	OSHA- Short Term Exposure Limit:	OSHA- Ceiling Limits	ACGIH- Time Weighted Average:	ACGIH- Short Term Exposure Limit:	ACGIH- Ceiling Limit Value:
Cefazolin Sodium 27164-46-1	None	None	None	None	None	None

Engineering measures: No special containment is required. Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment:

Respiratory protection: Perform exposure monitoring for this product and its components to ensure that employees are not exposed to levels greater than applicable regulatory limits. If exposure levels exceed regulatory limits, implement a respiratory protection program including respiratory protection that is in compliance with OSHA 29 CFR1910.134 (in the US) or equivalent regulation in other regions. Fire fighting requires the use of a self-contained breathing apparatus with full face piece and positive pressure mode.

Hand protection: Use chemical resistant, impervious gloves.

Skin and body protection: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).

Eye protection: Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Appearance: Powder
Color: White to off-white.
Odor: Odorless
pH: 4.0 - 6.0
Molecular weight: 476.52
Boiling point/range: Not available.
Melting point/range: Not available.
Density: Not available.
Vapor pressure: Not available.
Evaporation rate: Not available.
Solubility: Soluble in water. Slightly soluble in alcohol.
Partition coefficient (n-octanol/water): Not available.
Viscosity: Not available.
% Volatile by Volume: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization: Not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition products: Not available.

Materials to avoid: Not available.

11. TOXICOLOGICAL INFORMATION

Component	LD50s and LC50s
Cefazolin Sodium 27164-46-1	Oral LD50 Mouse > 11 g/kg Oral LD50 Rat > 11 g/kg Intravenous LD50 Rat = 2760 mg/kg Intravenous LD50 Mouse = 3900 mg/kg Intravenous LD50 Rabbit = 2500 mg/kg Intravenous LD50 Dog = 2200 mg/kg

Acute toxicity: Gastrointestinal effects (may include nausea/vomiting, abdominal pain, diarrhea, dry mouth, colic). Liver function effects (may include increased levels of SGOT, SGPT, serum LDH, jaundice). Renal function effects (may include increased levels of creatinine, BUN, renal failure). Blood effects (metabolic alkalosis, increased serum levels). Hypersensitivity (may include drug fever, rash, itching, anaphylaxis). Nervous system effects (headache, dizziness, light headedness). Seizures.

Chronic toxicity: No data is available on the product itself.

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No impairment to fertility based on animal data. Not considered fetotoxic based on animal data.

FDA Pregnancy Category B

12. ECOLOGICAL INFORMATION

Environmental properties:

Component	Ecotoxicity - Water Flea Data	Fish Species Ecotoxicity	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data
Cefazolin Sodium 27164-46-1	None.	None.	None.	None.

Ecotoxicity effects: No data available

Bioaccumulation: No data available

13. DISPOSAL CONSIDERATIONS

Waste Classification: Not regulated.

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT:

DOT shipping name: None
UN Number: None
DOT Packing Group: None
DOT Hazard class: None

TDG (Canada):

TDG Proper shipping name: None
TDG UN/NA Number: None
TDG Packing Group: None
TDG Hazard class: None

ADR/RID:

ADR Official Transport Name: None
ADR Proper shipping name: None
ADR UN/NA number: None
ADR Hazard Class: None

ICAO / IATA:

IATA Proper shipping name: None
IATA UN NUMBER: None
IATA Primary Hazard: None
IATA Packing group: None
ICAO ERG Code: None

IMO / IMDG:

IMDG Proper Shipping Name: None
IMDG Hazard Class and Division: None
IMDG Packing Group: None
IMDG Subsidiary Risks: None

15. REGULATORY INFORMATION

U.S. Regulations:

TSCA Inventory List - OTHER REGULATIONS: The product is exempt from TSCA, it is FDA Regulated

Japanese Inventory (ENCS) This product complies with JPENCS

Component	Weight %	RCRA Status:	CERCLA Reportable Quantity:	CERCLA/SARA - 302 Ext. haz. substances:	Listed as Sara 313 title III:
Cefazolin Sodium	100	Not Listed	Not Listed	Not Listed	Not Listed

STATE REGULATIONS:

Product id: 1118059

Product name: Cefazolin for Injection, USP

Component	California Prop 65:	Minnesota Right-To - Know:	Florida Right-to-Know Reporting List:	Rhode Island Right-to-Know List:	Massachusetts Right-to-Know List:	Pennsylvania Right-to-Know:	New Jersey Right-to-Know:
Cefazolin Sodium	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

CANADIAN REGULATIONS:

Canada DSL Inventory List - This product does not comply with DSL

EU EINECS List - This product complies with EINECS

Risk Phrases:
NONE

Safety Phrases:
NONE

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s)?:
Additional product codes. Change to storage conditions.

Additional information:
Not Available.

Prepared by: Technology Resources, Baxter Healthcare Corporation

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End of safety data sheet: