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MATERIAL SAFETY DATA SHEET

Description: **Cefotaxime monosodium salt**
Identity (As Used on Label and List): Cefotaxime
CAS #: 64485-93-4

Section I Hazardous Ingredients / Identity Information	
Transport Information:	NOT A DANGEROUS GOOD, no shipping regulations apply.
General Information	Harmful; may cause sensitization by inhalation and skin contact. Wear suitable protective clothing.
Synonyms:	Cefotaxime sodium salt, Sodium 7-(2-(2-amino-4-thiazolyl)-2-methoxyiminoacetamido) cephalosporanate, Claforan, CTX
Type:	Cephalosporin antibiotic
Molecular formula:	C ₁₆ H ₁₆ N ₅ NaO ₇ S ₂
Molecular weight:	477.5
CAS No:	64485-93-4
EINECS No:	264-915-9
MDL No:	MFCD00079073
Section II Fire and Explosion Hazard Data	
Flash Point (Method Used)	Not Known
Flammable Limits	NA
Extinguishing Media	Water spray, carbon dioxide, dry chemical powder, alcohol foam, or other appropriate form for extinguishing the material supporting the fire.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus. Protect skin and eyes.
Unusual Fire and Explosion Hazards	Emits irritant fumes under fire conditions.
Section III Physical/Chemical Characteristics	
Appearance and Odour	(A & C) Powder; (B) Clear Liquid
Boiling Point	Not determined
Evaporation Rate (Butyl Acetate=1)	Not determined
Melting Point	Not determined
Solubility in Water	High
Specific Gravity (H ₂ O=1)	Not determined
Vapour Density (Air=1)	Not determined
Vapour Pressure (mm Hg)	Not determined

Section IV Reactivity Data	
Stability	Stable.
Conditions to Avoid	Prolonged exposure to moisture, air and temperatures over 8C.
Incompatibility (Materials to Avoid)	Strong oxidizing agents.
Hazardous Decomposition	Nitrogen oxides (NOx)/ammonia/CN ⁻ , Sulphur oxides, Sodium oxides (Na ₂ O)
Hazardous Polymerization	Will not occur
Section V Health Hazard & First Aid Information	
Potential health effects and symptoms of exposure	
EYES	May cause eye irritation/sensitization
SKIN	May be harmful if swallowed, inhaled or absorbed through the skin. May cause sensitization by skin contact.
INGESTION	Toxic. Ingestion of very large amounts may cause gastrointestinal irritation. Cephalosporins and penicillins have similar chemical structures. Because of this, it is believed that those individuals who are allergic to one class of compounds may show an increased risk of cross-allergenicity when a member of the other class is encountered.
CARCINOGENICITY	Not Known
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Cephalosporins and penicillins have similar chemical structures. Because of this, it is believed that those individuals who are allergic to one class of compounds may show an increased risk of cross-allergenicity when a member of the other class is encountered.
Emergency & First Aid Procedures	
EYES	First check the victim for contact lenses and remove if present. Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention. (Show label whenever possible).
SKIN	Remove contaminated clothing and shoes. Immediately rinse skin with copious amounts of water for at least 15 minutes. Seek medical attention. (Show label whenever possible).
INGESTION	DO NOT INDUCE VOMITING. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body.
INHALATION	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention. (Show label whenever possible).

Section VI Precautions for Safe Handling and Use	
OCCUPATIONAL SPILLS	
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Absorb on sand or vermiculite. Sweep up and place in suitable container for reclamation or disposal. Avoid raising dust. Ventilate area and wash spill site after pickup is completed.	
WASTE DISPOSAL METHOD	
Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Do not rinse solid or solution into normal drainage systems. Observe all federal, state, and local regulations for waste disposal.	
Section VII Guidelines for Safe Handling	
RESPIRATORY PROTECTION	NIOSH/MSHA approved
VENTILATION	Mechanical (General): Required for Penicillin G
EYE PROTECTION	Safety goggles.
PROTECTIVE CLOTHING OR EQUIPMENT	Chemical resistant gloves. As recommended by internal safety committee. Safety shower and eye bath.
GENERAL PRECAUTIONS	Use good laboratory precautions and practices. Wash hands thoroughly after handling. Avoid prolonged or repeated exposure. Keep tightly closed. Store in a cool, dry, well ventilated area.

Additional Information: This information is believed to be accurate and represents the best information available to date. We make no warranty or assume liability from its use. Users should make their own investigations to determine the suitability of the information.