

MATERIAL SAFETY DATA SHEET

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Section 1- Chemical Product Information and Company Identification.

Product Name: : Ceftazidime Impurity B.
Synonym: : Ceftazidime (2E)-Isomer ; (6R,7R)-7-[[[(2E)-2-(2-Aminothiazol-4-yl)-2-[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-8-oxo-3-[(pyridin-1-ium-1-yl)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate.
Product code: : BS16726.
CAS Number: : 97148-38-4.
Company Name: : Briti Scientific.
Company Address: : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055. Telangana, India.

Section 2- Hazards Identification.

Classification

No information available.

Label Elements

Signal Word

Warning.

Hazard Statements

H302:Harmful if swallowed.

H312:Harmful in contact with skin.

H315:Causes skin irritation.

H319:Causes serious eye irritation.

H332:Harmful if inhaled.

H335:May cause respiratory irritation.



Precautionary Statements

Prevention

P261:Avoid breathing dust/fume/gas/mist/vapours/spray.

P262:Do not get in eyes, on skin, or on clothing.

P271:Use only outdoors or in a well-ventilated area.

P280:Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352:IF ON SKIN: Wash with plenty of water

P304 + P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

Hazards not otherwise classified (HNOC) None identified

Section 3- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
97148-38-4.	Ceftazidime (2E)-Isomer	C ₂₂ H ₂₂ N ₆ O ₇ S ₂ .

Section 4- First Aid Measures.

General Advice: If symptoms persist, call a physician.

Eye Contact: Rinse immediately with plenty of water

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Ingestion: Medical assistance for gastric lavage.

Most important symptoms and effects: None reasonably foreseeable.

Notes to Physician: can be washed with plenty of water in case of any exposure.

Section 5- Fire Fighting Measures.

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist maybe used to cool closed containers.

Unsuitable Extinguishing Media: None indicated.

Flash Point: No information available.

Method: No information available.

Autoignition Temperature: Not applicable

Explosion Limits

Upper No data available.

Lower No data available.

Specific Hazards Arising from the Chemical: No information available.

Sensitivity to Mechanical Impact: No information available.

Hazardous Combustion Products: No information available.

Protective Equipment and Precautions for Firefighters: No information available.

Section 6- Accidental Release Measures.

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Remove all sources of ignition. Take precautionary measures against static discharges.

Spills/Leaks: Wash with plenty of water, provide adequate ventilation.

Environmental Precautions: Should not be released into the environment.

Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. Remove all sources of ignition.

Section 7- Handling and Storage.

Handling: Wear personal protective equipment/face protection.

Storage: Store at ambient temperature.

Section 8- Exposure Control/Personal Protection.

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Ensure that eye wash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Hand protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Self-contained breathing apparatus.

Recommended Filter type: Particulates filter conforming to EN 143.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9- Physical and Chemical Properties.

Physical State:	Solid.
Appearance:	White.
Odor:	Odourless.
Odor Threshold:	No information available.
pH:	Basic.
Melting Point/Range:	105°C.
Boiling Point/Range:	319.08°C.
Flash Point:	No information available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not applicable.
Flammability or explosive limits:	
Upper	No data available.
Lower	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Solubility:	Soluble in DMSO and methanol.
Partition coefficient; n-octanol/water:	No data available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Molecular Formula:	C ₂₂ H ₂₂ N ₆ O ₇ S ₂ .
Molecular Weight:	546.58 g/mol.

Section 10- Stability and Reactivity.

Reactive Hazard: None known, based on information available.

Stability: Stable under normal condition.

Conditions to Avoid:	Direct contact to skin.
Incompatible Materials:	keep away.
Hazardous Decomposition Products:	No information available.
Hazardous Polymerization:	No information available.
Hazardous Reactions:	None under normal processing.

Section 11- Toxicological Information.

Acute Toxicity

Product Information: No information available.

Component Information

Toxicologically Synergistic Products: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation:	Irritating to eyes and skin.
Sensitization:	No information available.
Carcinogenicity:	No information available.
Mutagenic Effects:	No information available.
Reproductive Effects:	No information available.
Teratogenicity:	No information available.
STOT - single exposure:	None known
STOT - repeated exposure:	None known
Aspiration hazard:	No information available.
Symptoms / effects, both acute and delayed:	No information available.
Other Adverse Effects:	The toxicological properties have not been fully investigated.

Section 12- Ecological Information.

Ecotoxicity:	No information available.
Persistence and Degradability:	No information available.
Bioaccumulation/ Accumulation:	No information available.
Mobility:	No information available.

Section 13- Disposal Considerations.

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series	Can be incinerated
RCRA U-Series	NA

Section 14- Transport Information.

UN-Number

ADR/RID:	IMDG:	IATA:
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UN proper shipping name

ADR/RID:	Not dangerous goods
IMDG:	Not dangerous goods

IATA:	Not dangerous goods	
Transport hazard class(es)		
ADR/RID:	IMDG:	IATA:
Packaging Group		
ADR/RID:	IMDG:	IATA:
Environmental hazards		
ADR/RID: No	IMDG Marine pollutant: No	IATA: No
Special precautions for users		
Further information		

Section 15- Regulatory Information.

Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710).

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable.

U.S. Federal Regulations

SARA 313 Not applicable.

SARA 311/312 Hazard Categories See section 2 for more information.

CWA (Clean Water Act) Not applicable.

Clean Air Act Not applicable.

OSHA - Occupational Safety and Health Administration: Not applicable.

CERCLA: Not applicable.

California Proposition 65: This product does not contain any Proposition 65 chemicals.

Section 16- Other Information.

Briti Scientific provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.