

MATERIAL SAFETY DATA SHEET

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Section 1- Chemical Product Information and Company Identification.

Product Name: : Ceftazidime Impurity H.
Synonym: : Ceftazidime Methyl Ester; (6R,7R)-7-[[[(2Z)-2-(2-Aminothiazol-4-yl)-2-[(2-methoxy-1,1-dimethyl-2-oxoethoxy)imino]acetyl]amino]-8-oxo-3-[(1-pyridinio)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate.
Product code: : BS16731.
CAS Number: : 1354396-23-8.
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

No information available.

Hazards not otherwise classified (HNOC)

None identified

Section 3- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
1354396-23-8.	Ceftazidime Methyl Ester	C ₂₃ H ₂₄ 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 powder.
Appearance:	Light beige solid or white to yellow.
Odor:	No information available.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Range:	>210°C.
Boiling Point/Range:	No information available.
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/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:	$C_{23}H_{24}N_6O_7S_2$.
Molecular Weight:	560.6 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

LD50/LC50: >10,000 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity)

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:

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.