

## MATERIAL SAFETY DATA SHEET

[www.britisscientific.com](http://www.britisscientific.com)

### Section 1- Chemical Product Information and Company Identification.

**Product Name:** : Formyl Ceftazidine.  
**Synonym:** : (6R,7R)-7-((Z)-2-(((2-carboxypropan-2-yl)oxy)imino)-2-(2-formamidothiazol-4-yl)acetamido)-8-oxo-3-(pyridin-1-ium-1-ylmethyl)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate.  
**Product code:** : BS16736.  
**CAS Number:** : 1301254-49-8.  
**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

##### **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
1301254-49-8.	Formyl Ceftazidine.	C <sub>23</sub> H <sub>22</sub> N <sub>6</sub> O <sub>8</sub> S.

### 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 (CO<sub>2</sub>), 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.

<b>Physical State:</b>	Solid.
<b>Appearance:</b>	White.
<b>Odor:</b>	Odourless.
<b>Odor Threshold:</b>	No information available.
<b>pH:</b>	Basic.
<b>Melting Point/Range:</b>	No information available.
<b>Boiling Point/Range:</b>	No information available.
<b>Flash Point:</b>	No information available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Flammability or explosive limits:</b>	
<b>Upper</b>	No data available.
<b>Lower</b>	No data available.
<b>Vapor Pressure:</b>	No data available.
<b>Vapor Density:</b>	No data available.
<b>Solubility:</b>	Soluble in Methanol.
<b>Partition coefficient; n-octanol/water:</b>	No data available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>22</sub> N <sub>6</sub> O <sub>8</sub> S.
<b>Molecular Weight:</b>	574.58 g/mol.

## Section 10- Stability and Reactivity.

<b>Reactive Hazard:</b>	None known, based on information available.
<b>Stability:</b>	Stable under normal condition.
<b>Conditions to Avoid:</b>	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	
<b>Transport hazard class(es)</b>		
ADR/RID:	IMDG:	IATA:
<b>Packaging Group</b>		
ADR/RID:	IMDG:	IATA:
<b>Environmental hazards</b>		
ADR/RID: No	IMDG Marine pollutant: No	IATA: No
<b>Special precautions for users</b>		
<b>Further information</b>		

### 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.