Safety Data Sheet

Section 1: Chemical Identification

Chemical Name: Cefoxitin
Alternative Name: Cefoxitin sodium salt
Catalog Number: C-240
Recommended: This product is not for use in humans. It is intended for research purposes only.
Distributed by: Gold Biotechnology, Inc.
1328 Ashby Rd.
St. Louis, MO 63132
Phone: (314) 890-8778
Fax: (314) 890-0503
Email: contactgoldbio86@goldbio.com
Emergency Phone: (800)248-7609 (Monday-Friday, 9:00 a.m. – 5:00 p.m. CST)

Section 2: Hazardous Information

GHS Classification
Skin irritant (Category 2)
Eye irritant (Category 2A)
Respiratory sensitizer (Category 1)
Skin sensitizer (Category 1)
Specific target organ toxicity, single exposure (Category 3)

GHS Label Elements, including Precautionary statements

DANGER!

Hazard Statements:
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335: May cause respiratory tract irritation

Precautionary Statements:
- P233: Keep container tightly closed
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash skin thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection
P284: Wear respiratory protection
P302+352: IF ON SKIN: Wash with soap and water
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P321: Specific treatment (see First Aid Measures on this label)
P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P337+313: If eye irritation persists get medical advice/attention
P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P362: Take off contaminated clothing and wash before reuse
P403: Store in a well ventilated place
P405: Store locked up
P501: Dispose of contents/container to an approved waste disposal plant

OSHA Hazards
Target Organ Effect, Irritant

Target Organs
Eyes, Kidney, Liver, Heart

Potential Health Effects
Eye: May cause eye irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

HMIS Classification
Health hazard: 2
Chronic health hazard: *
Flammability: 0
Physical hazards: 0

NFPA Rating
Health Hazard: 2
Fire: 0
Reactivity Hazard: 0
Section 3: Composition/Information on Ingredients

Identity: Sodium (6R-cis)-3-[(carbamoyloxy)methyl]-7-methoxy-8-oxo-7-(2thienylacetamido)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate

Synonyms: Cefoxitin, Cefoxitin sodium salt

CAS number: 33564-30-6

Molecular Formula: C_{16}H_{16}N_{3}NaO_{7}S_{2}

Molecular Weight: 449.43 g/mol

Section 4: First Aid Measures

Inhalation: Remove to fresh air, if difficulty breathing administer oxygen. Consult a physician.

Skin: Immediately wash skin with soap and water. Consult a physician.

Eye: Rinse eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Ingestion: If swallowed, wash out mouth with water, provided person is conscious. Drink water and induce vomiting. Consult a doctor. If inhaled, remove from exposure to fresh air.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Water, carbon dioxide, dry chemical powder or foam.

Specific hazards arising from the chemical: During a fire, highly toxic gases may be generated by thermal decomposition or combustion - Carbon oxides, Nitrogen oxides, Sulphur oxides, Sodium oxides.

Special protective actions for fire-fighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Evacuate and ventilate the area. Wear respirator and protective clothing. Avoid dust formation. Avoid breathing vapor, mist or gas.

Environmental precautions: Do not let product enter drain.

Methods and materials for containment and cleaning up: Sweep up and shovel without creating dust. Keep in suitable closed containers for disposal. Keep area ventilated and wash the spill site when material is picked up.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of
dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20°C. Protect from light.

**Section 8: Exposure Controls / Personal Protection**

**Control parameters:** Contains no substances with occupational exposure limit values.

**Appropriate engineering controls:** Mechanical exhaust required, safety shower and eye bath.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** Safety glasses with side-shields conforming to EN166

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Other Protective Clothing or Equipment:** Maintain general industrial hygiene practice. Wash skin thoroughly and remove contaminated clothing after handling.

**Section 9: Physical and Chemical Properties**

- **Appearance:** Solid
- **Odour:** Not available
- **Odour Threshold:** Not available
- **pH:** Not available
- **Melting Point:** Not available
- **Freezing Point:** Not available
- **Boiling Point/Range:** Not available
- **Flash Point:** Not available
- **Evaporation Rate:** Not available
- **Flammability:** Not available
- **Lower Explosion Limit:** Not available
Upper Explosion Limit: Not available
Vapour Pressure: Not available
Vapour Density: Not available
Relative Density: Not available
Solubility: Not available
Partition Coefficient: Not available
n-octanol/water
Auto-Ignition
Temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not available

Section 10: Stability and Reactivity Data

Reactivity: Not available.

Chemical stability: Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions: Not available.

Conditions to avoid: Incompatible materials.

Incompatible materials: Strong oxidizing agents, bases.

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides, Sulphur oxides, Sodium oxides.

Section 11: Toxicological Information

Acute toxicity:
Oral: LD₅₀ (Rat) >10,000 mg/kg

Skin corrosion/irritation:
May cause irritation

Respiratory or skin sensitization:
May cause allergic reactions and inflammations by inhalation, if swallowed and in contact with skin.

Germ cell mutagenicity:
Not available.

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Not available.

STOT-single exposure: Not available.

STOT-repeated exposure: Not available.

Aspiration hazard: Not available.

Likely routes of exposure: Respiratory organs, mouth, skin, and eyes.

Symptoms of exposure: May cause irritation.

Section 12: Ecological Information

Toxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available.

Section 13: Disposal Considerations

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Section 14: Transport Information

US Department of Transportation (DOT)
This material is considered to be non-hazardous for transport.
**International Maritime Dangerous Goods (IMDG)**
This material is considered to be non-hazardous for transport.

**International Air Transport Association (IATA)**
This material is considered to be non-hazardous for transport.

**Section 15: Regulatory Information**

**OSHA Hazards:**
Target Organ Effect, Skin sensitizer.

**SARA 302 Components:**
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:**
Acute Health Hazard, Chronic health hazard

**Massachusetts Right To Know Components:**
No Components Listed

**Pennsylvania Right To Know Components:**
Sodium (6R-cis)-3-[(carbamoyloxy)methyl]-7-methoxy-8-oxo-7-(2thienylacetamido)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate

**New Jersey Right To Know Components:**
Sodium (6R-cis)-3-[(carbamoyloxy)methyl]-7-methoxy-8-oxo-7-(2thienylacetamido)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate

**California Prop. 65 Components:**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16: Other Information**

While Gold Biotechnology, Inc. believes the information contained herein to be true and accurate, it has relied on information provided by others. Gold Biotechnology, INC. makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or with respect to the results to be obtained from the use of the product. Gold Biotechnology, Inc. disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

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