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**Section 1. Product and Company Identification**

**Product Name** Ceftazidime  
**Product ID** C1635  
**Chemical Name (Synonyms)** GR-20263; Fortum  
**Supplier** LKT Laboratories, Inc  
545 Phalen Blvd.  
St. Paul, MN 55130 USA  
Ph: 651-644-8424 Fax: 651-644-8357  
www.lktlabs.com - getinfo@lktlabs.com  
**Emergency Phone #** 1-800-424-9300

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**Section 2. Hazards Identification**

**GHS Classification** Skin sensitization, (Category 1), H317  
Serious eye damage/eye irritation, (Category 2), H319  
Respiratory sensitization, (Category 1), H334

**GHS Label elements including precautionary statements****Pictogram****Signal word** Danger**Hazard and precautionary statements****Hazard statements**

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary statements**

P261 - Avoid breathing dust, fume, gas, mist, vapors, and spray.  
P264 - Wash skin thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves, eye protection, and face protection.  
P285 - In case of inadequate ventilation wear respiratory protection.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.  
P321 - Specific treatment (see supplemental first aid instructions on this label).  
P333 + P313 - If skin irritation or rash occurs: Get medical advice and/or attention.  
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents and container to an approved waste disposal plant.

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

**NFPA Rating** Health hazard: 2  
Fire hazard: 0  
Reactivity hazard: 0

**Potential Health Effects** Inhalation - May cause allergies, asthma symptoms, or breathing difficulties if inhaled. May cause irritation to respiratory tract and sensitization  
Skin - May cause skin sensitization. May cause an allergic skin reaction.

Eyes - May cause serious eye damage and irritation.  
Ingestion - May be harmful if swallowed.

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### Section 3. Composition/Information on Ingredients

#### Substances

**Formula**  $C_{22}H_{22}N_6O_7S_2 \cdot 5H_2O$   
**CAS No.** 78439-06-2

**Formula Wt.** 635.65  
**EC No.** 616-626-8

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### Section 4. First Aid Measures

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact** Wash with soap and plenty of water. Consult a physician.

**Inhalation** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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### Section 5 . Firefighting Measures

**Flash Point** Not available.

**Extinguishing Media** Use water spray, alcohol-resistant foam, dry chemical spray, or carbon dioxide.

**Firefighting Procedures** Wear self-contained breathing apparatus for firefighting if necessary.

**Unusual Fire Hazards** Carbon oxides, nitrogen oxides (NOx), sulfur oxides, and sodium oxides.

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### Section 6. Accidental Release Measures

**Personal Precautions** Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental Precautions** Do not let product enter drains.

**Methods and materials for containment and cleanup** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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### Section 7. Handling and Storage

**Handling** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 4°C

**Hazardous Decomposition Products** Carbon oxides, nitrogen oxides (NOx), sulfur oxides, and sodium oxides.

**Other Remarks** None

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## Section 8. Exposure Controls/Personal Protection

### Personal protective equipment

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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment:

Eye/face protection - Face shield and safety glasses. 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.

Body protection - Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection - For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards NIOSH (US) or CEN

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## Section 9. Physical and Chemical Properties

Physical State	Solid.	Color	White crystalline powder.
Boiling Point	Not available.	Volatility	Not available.
Melting Point	Not available.	Density	Not available.
Solubility	Slightly soluble in water (360mg/L).	pH	Not available.
Flash Point	Not available.	Ignition temperature	Not available.
Lower explosion limit	Not available.	Autoignition temperature	Not available.
Upper explosion limit	Not available.	Vapor pressure	Not available.
Water solubility	Slightly soluble in water (360mg/L).	Odor	Not available.
Partition coefficient: n-octanol/water	Not available.	Odor Threshold	Not available.
Relative vapor density	Not available.	Evaporation rate	Not available.

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## Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions. Contains the following stabilizer: Sodium carbonate
Materials To Avoid	Incompatible materials - strong oxidizing agents, strong acids, nitric acid, peroxides, permanganates, e.g. potassium permanganate.
Hazardous Decomposition Products	Carbon oxides, nitrogen oxides (NOx), sulfur oxides, and sodium oxides.

**Possibility of hazardous reactions** Not Available

**Conditions to avoid** Not Available

Section 11. Toxicological Information

<b>Oral LD50</b>	Not Available	<b>Skin corrosion/irritation</b>	Not Available
<b>Inhalation LC50</b>	Not Available	<b>Serious eye damage/irritation</b>	Not Available
<b>Dermal LD50</b>	Not Available	<b>Respiratory or skin sensitization</b>	Not Available
<b>Other information on acute toxicity</b>	Not Available	<b>Germ cell mutagenicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available	<b>Aspiration Hazard</b>	Not Available
<b>Specific organ toxicity single exposure (GHS)</b>	Not Available	<b>Synergistic effects</b>	Not Available
<b>Specific organ toxicity repeated exposure (GHS)</b>	Not Available	<b>Additional Information</b>	RTECS: UU2230000
<b>Teratogenicity</b>	Not Available	<b>Signs and symptoms of exposure</b>	Not Available
<b>Potential Health Effects</b>	Inhalation - May cause allergies, asthma symptoms, or breathing difficulties if inhaled. May cause irritation to respiratory tract and sensitization Skin - May cause skin sensitization. May cause an allergic skin reaction. Eyes - May cause serious eye damage and irritation. Ingestion - May be harmful if swallowed.		
<b>Carcinogenicity</b>	<b>IARC:</b> 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. <b>ACGIH:</b> 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 <b>NTP:</b> 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. <b>OSHA:</b> 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.		

Section 12. Ecological Information

**Toxicity** Not Available

**Mobility in soil** Not Available

**PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not

conducted.

**Persistence and degradability** Not Available

**Other adverse effects** Not Available

**Bioaccumulative potential** Not Available

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### Section 13. Disposal Considerations

**Waste Disposal**

Dispose in accordance with local, state, and federal regulations.  
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

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### Section 14. Transport Information

**DOT (US)** Not dangerous goods.

**IATA** Not dangerous goods.

**IMDG** Not dangerous goods.

**Further Information**

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### Section 15. Regulatory Information

**Reach No.**

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

**SARA 313 Components** 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 Components** Acute health hazard.

**Massachusetts Right To Know Components** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components** Ceftazidime CAS #: 78439-06-2 Revision Date:

**New Jersey Right To Know Components** Ceftazidime CAS #: 78439-06-2 Revision Date:

**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.

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### Section 16. Other Information

**Other information** The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

**Updated** 6/26/2019

For emergencies in the USA, call  
CHEMTREC 800-424-9300