



**SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Aztreonam for Injection, USP  
**Product Use/Restriction:** Anti-Infective  
**Manufacturer Name:** Fresenius Kabi USA, LLC  
**Address:** Three Corporate Drive  
 Lake Zurich, Illinois 60047  
**General Phone Number:** (847) 550-2300  
**Customer Service Phone Number:** (888) 386-1300  
**Health Issues Information:** (800) 551-7176

HMIS	
Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	X

**SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Ingredient Percent	EC Num.
L-Arginine	74-79-3	780 mg per gram of aztreonam	
Aztreonam	78110-38-0	500 mg, 1 gm, and 2 gm vials	

**SECTION 3 : HAZARDS IDENTIFICATION**

**Emergency Overview:** This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert.

**Route of Exposure:** Inhalation Ingestion Eye contact Skin Absorption. Injection.

**Potential Health Effects:**

- Eye:** Contact with eyes may cause irritation.
- Skin:** May cause skin irritation.
- Inhalation:** May cause irritation of respiratory tract.
- Ingestion:** May cause irritation.

**Signs/Symptoms:** Possible adverse reactions include: Skin rash with redness or itching; stomach cramps or pain; altered sense of taste; bad breath; headache; breast tenderness; increased sweating; flushing; trouble sleeping;; mouth ulcer; nausea; vomiting; small, non raised round, purplish or red spots on the skin; burning or prickling feeling of skin; muscular aches; runny nose; and ringing of ears. Occupational exposure has not been fully investigated.

**Aggravation of Pre-Existing Conditions:** Possible allergic reaction to material if inhaled, ingested, or in contact with skin.

**SECTION 4 : FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Ingestion:** If conscious, flush mouth out with water immediately. Call a physician or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Other First Aid:** For Adverse Event Information, please call (800) 551-7176.

**SECTION 5 : FIRE FIGHTING MEASURES**

**Flash Point:** Not established.

**Flash Point Method:** Not established.

**Auto Ignition Temperature:** Not established.

**Lower Flammable/Explosive Limit:** Not established.

**Upper Flammable/Explosive Limit:** Not established.

<b>Fire Fighting Instructions:</b>	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
<b>Extinguishing Media:</b>	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Hazardous Combustion Byproducts:</b>	Thermal decomposition products may include smoke and toxic fumes. Oxides of carbon, oxides of nitrogen and other organic substances may be formed. Other undetermined low molecular weight hydrocarbon compounds may be released in small quantities depending upon specific conditions of combustion.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid personal contact and breathing dust. Use proper personal protective equipment as listed in Section 8.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Methods for containment:</b>	This material will settle out of the air.
<b>Methods for cleanup:</b>	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust. Avoid dust generation.

## SECTION 7 : HANDLING and STORAGE

<b>Handling:</b>	When handling pharmaceutical products, avoid all contact and inhalation of vapor, mists and/or fumes. Use with adequate ventilation. Use only in accordance with directions.
<b>Storage:</b>	Store at controlled room temperature 20 to 25°C (68 to 77°F). Avoid excessive heat.
<b>Work Practices:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling dust, vapor or mist.

## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

<b>Engineering Controls:</b>	General ventilation is sufficient if this product is being used in a controlled medical setting (clinic, hospital, medical office) for its sole intended parenteral (injection) purpose. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls including use of a biosafety cabinet / fume hood to control airborne levels below recommended exposure limits.
<b>Eye/Face Protection:</b>	Chemical splash goggles. Wear a face shield also when splash hazard exist.
<b>Skin Protection Description:</b>	Protective laboratory coat, apron, or disposable garment recommended.
<b>Hand Protection Description:</b>	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data. Nitrile rubber or natural rubber gloves are recommended.
<b>Respiratory Protection:</b>	No personal respiratory protective equipment is normally required when this product is being used/administered by a licensed healthcare practitioner (i.e. an end-user such as a clinician / doctor / nurse) for its sole intended parenteral (injection) purpose in a controlled medical setting. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances. Consult the NIOSH web site ( <a href="http://www.cdc.gov/niosh/npptl/topics/respirators/">http://www.cdc.gov/niosh/npptl/topics/respirators/</a> ) for a list of respirator types and approved suppliers.
<b>Other Protective:</b>	Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

### EXPOSURE GUIDELINES

#### **Aztreonam :**

<b>Guideline ACGIH:</b>	Not established.
<b>Guideline OSHA:</b>	Not established.

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

<b>Physical State:</b>	Crystalline powder.
<b>Color:</b>	White
<b>Odor:</b>	Odorless.
<b>Boiling Point:</b>	Not established.
<b>Melting Point:</b>	227 °C Decomposes.
<b>Solubility:</b>	Very soluble. in water.
<b>Vapor Density:</b>	Not established.
<b>Vapor Pressure:</b>	Not established.
<b>Percent Volatile:</b>	Not established.
<b>pH:</b>	4.5 - 7.5

Molecular Formula: Mixture  
Flash Point: Not established.  
Flash Point Method: Not established.  
Auto Ignition Temperature: Not established.

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.  
Hazardous Polymerization: Not reported.  
Conditions to Avoid: Avoid direct sunlight, conditions that might generate heat, and sources of ignition. Avoid contact with incompatible materials.  
Incompatible Materials: Avoid storage near oxidizers.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### Aztreonam :

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill : >10 gm/kg [ Details of toxic effects not reported other than lethal dose value ] (RTECS)  
Teratogenicity: Pregnancy Category B: Aztreonam crosses the placenta and enters the fetal circulation. Studies in pregnant rats and rabbits revealed no evidence of embryo- or fetotoxicity or teratogenicity. There are no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive human response.

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental Stability: No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

## SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.  
DOT UN Number: Not Regulated.

## SECTION 15 : REGULATORY INFORMATION

### L-Arginine :

TSCA Inventory Status: Listed  
Canada DSL: Listed

## SECTION 16 : ADDITIONAL INFORMATION

Label Hazard Warning: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
May cause harm to breast-fed children.  
Label Precautions: Obtain special instructions before use.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Avoid contact during pregnancy and while nursing.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
In case of inadequate ventilation wear respiratory protection.  
IF ON SKIN: Wash with plenty of water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF exposed or concerned: Get medical advice/attention.  
Specific treatment (see ... on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
Take off contaminated clothing and wash it before reuse.  
Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

### HMIS Ratings:

HMIS Health Hazard: 2  
HMIS Fire Hazard: 1  
HMIS Reactivity: 0  
HMIS Personal Protection: X

SDS Creation Date: June 06, 2014  
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SDS Format:

**Disclaimer:**

The information contained herein pertains to this material. It is the responsibility of each individual party to determine for themselves the proper means of handling and using these materials based on their purpose and intended use. Fresenius-Kabi assumes no liability resulting from the use of or reliance upon the information contained in this material safety data sheet. This material safety data sheet does not constitute the guaranty or specifications of the product.

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