MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

WHEN ENGINEERING CONTROL AREN'T SUFFICIENT TO CONTROL DUST EXPOSURE, WEAR APPROVED RESPIRATORY

ENCLOSURE OF PROCESSES/LOCAL VENTILATION TO KEEP AIRBORNE CONCENTRATION BELOW BMS EXPOSURE

WASH HANDS AFTER HANDLING COMPOUND & BEFORE EATING, SMOKING, USING LAVATORY & AT END OF DAY.

SKIN: MAY OCCUR IF PROTECTIVE GLOVES & CLOTHING ARE NOT WORN. INGESTION: ASTREONAM IS POORLY ABSORBED & INACTIVATED IN THE GASTROINTESTINAL TRACT. MAY CAUSE DERMATOLOGIC & HEMATOLOGIC EFFECTS. MAY AFF ECT THE

DIARRHEA, NAUSEA, VOMITING, CRAMPS, RASHES, ITCHING, FEVER, CHILLS, MUSCLE & JOINT PAIN, DIFFICULTY IN BREATHING

PERSONS WHO ARE ALLERGIC TO PENICILLINS/CEPHALOSPORINS, GASTROINTESTINAL DISEASES. INDIVIDUALS W/A HISTORY OF

INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY. SKIN: WASH W/PLENTY OF WATER FOR 15 MINS. EYES: FLUSH

COLLECT TO MINIMIZE DUST GENERATION. USE WET MOP, DAMP SPONGE/WET/DRY HEPA VACUUM. PLACE COLLECTED MATERIAL INTO A SUITABLE CONTAINER FOR DISPOSAL. LARGE: USE A NIOSH-APPROVED DUST/MIST RESPIRATOR. A FTER CLEAN UP, FLUSH W/WATER

AVOID INHALATION, SKIN/EYE CONTACT W/THIS MATERIAL. PROTECT FROM MOISTURE. IF EXPOSED TO STRONG LIGHT, THE POWDER

WEAR SELF CONTAINED BREATHING APPARATUS, FLAME & CHEMICAL RESISTANT CLOTHING, BOOTS & GLOVES. EVACUATE PERSONNEL

FINE POWDERS ARE CONSIDERED TO BE COMBUSTIBLE. PROVIDE APPROPRIATE BONDING & GROUNDING PROTECTION TO CONTROL STATIC CHARGES. POWDER HANDLING EQUIPMENT SUCH AS DUST COLLECTORS, DRYERS & MILLS MAY REQUI RE ADDITIONAL

TO UPWIND DIRECTION, REMOVE UNNEEDED MATERIAL & COOL CONTAINERS W/WATER FROM A MAXIMUM DISTANCE.

AVOID MOISTURE. AZTREONAM IS MOST STABLE AT PH 6.IS INACTIVATED AT A PH OF LESS THAN 5 GREATER THAN 8.

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

WARRANTY

terms and conditions of sale.

3 CONTAINER REQUIREMENTS: GLASS VIALS. SHOULD BE STORED AT 59-86F. DON'T EXPOSE TO TEMPERATURES >140F.

MAY YELLOW SLIGHTLY. AS A PRECAUTION, PERSONNEL WHO HANDLE DRUG SUBSTANCES SHOULD AVOI D CONTACT

PROTECTION. SELF CONTAINED BREATHING APPARATUS SHOULD BE USED FOR EMERGENCY.

Composition/Information on Ingredient

Click http://www.lookchem.com/cas-74/74-79-3.html for suppliers of this product.

Cas: 74-79-3 Code: Τ

RTECS: CF1934200

Code: Τ

Name:

NΡ

OSHA PEL:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves:

Eye Protection:

Code: Т

Code: Т

188 MG/M3;50 PPM

NOT ESTABLISHED

Control Measures

GUIDELINE OF 1 MG/CUBIC METER AZTREONAM. 4

REMOVE/LAUNDER CONTAMINATED CLOTHING SHOES BEFORE REUSE.

IMPERVIOUS, LATEX, NITRILE/RUBBER

Equipment PROTECTIVE COVERALLS

SAFETY GLASSES (ANSI Z87.1).

Supplemental Safety and Health:

Health Hazards Data

Route Of Entry Inds - Inhalation:

Other Protective Equipment:

Work Hygienic Practices:

LD50LC50Mixture:

NO

Skin: YES

YES

IARC: NO

OSHA: NO

N/P

First Aid:

Ingestion:

ORAL LD50(RAT): 10 G/KG

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

AZTREONAM ALLERIES.

Spill Release Procedures:

Waste Disposal Methods:

Neutralizing Agent:

Other Precautions:

Flash Point Method:

N/P

N/A

N/P

N/P

N/P

WATER

HCC:

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt: =114.C, 237.2F

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

Hazardous Decomposition Products: OXIDES OF CARBON, SULFUR NITROGEN

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

www.lookchem.com

Other Information:N/P

MSDS Transport Information

COMPLETE 5

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Evaporation Rate & Reference:

WHITE TO YELLOWISH-WHITE CAKED POWDER.

Volatile Org Content %:

N/P

N/P

N/P

PH: N/P

Viscosity: N/P

N/P

N/P

N/P

YES

N/P

NO

N/P

Information:N/P

Information:N/P

B.P. Text:

N/A

Net Prop WT For Ammo:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

PROTECTIVE MEASURES (EXPLOSION VENTING).

Physical/Chemical Properties

Flash Point:

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:

TO PROCESS SEWER IF ALLOWED.

Handling And Storage Precautions:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

GASTROINTESTINAL TRACT, LIVER & IMMUNE SYSTEM.

W/RUNNING WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

W/INGESTION/INHALATION, SKIN & EYE CONTACT W/THESE SUBSTANCES.

Fire and Explosion Hazard Information

Respiratory Protection:

Code:

Т

NP Code:

Other REC Limits:

SEE TABLE Z-2

ARGININE Environmental Wt: Other REC Limits: N/