LKT Laboratories, Inc.

Safety Data Sheet

Section 1. Product and Company Identification

Product Name Bis(aziridinyl)methylamino phosphine sulfide / Bis(aziridinyl)methylamino phosphine sulfide

Product ID B3373

Chemical Name (Synonyms) Bisazir

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

Section 2. Hazards Identification

GHS Classification Not dangerous. Caution - substance not yet fully tested.

GHS Label elements including precautionary statements

Pictogram

Signal word Not dangerous

Hazard and precautionary statements Not dangerous. Caution - substance not yet fully tested.

HMIS Classification Not dangerous

NFPA Rating Not dangerous

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

Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances

Formula	$C_5H_{12}N_3PS$	**Formula Wt.**	177.21
CAS No.	13687-09-7	**EC No.**	

Section 4. First Aid Measues

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

Eye Contact Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

Inhalation Remove from exposure and provide respiration support if necessary. Seek medical attention.

Ingestion Rinse mouth with water. Contact a physician or poison control immediately.

Section 5 . Firefighting Measures

Flash Point Not available.

Extingushing Media Water spray, dry chemical powder, carbon dioxide, polymer foam.

Firefighting Procedures Wear self-contained breathing apparatus and protective clothing.

Unusual Fire Hazards May emit toxic fumes.

Section 6. Accidental Release Measures

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

Environmental Precautions Do not let product enter drains.

Methods and materials for containment and cleanup Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: -20 °C.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, nitrogen oxides (NOx), phosphorous oxides, and sulfur oxides.

Other Remarks **This product ships with dry ice.**

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
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 PROTECTION
Eye 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).
Hand 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.
Skin and 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: 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).

Section 9. Physical and Chemical Properties

Physical State	Solid.	**Color**	White to off-white powder.
Boiling Point	Not available.	**Volatility**	Not available.
Melting Point	69ºC-72ºC	**Density**	Not available.
Solubility	Soluble in DMSO.	**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	Not available.	**Odor**	Not available.
Partition coefficient: n-octanol/water	Not available.	**Odor Threshold**	Not available.
Relative vapor density	Not available.	**Evaporation rate**	Not available.

Section 10. Stability and Reactivity

Stability	Stable under proper storage conditions.
Materials To Avoid	Not available.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides (NOx), phosphorous oxides, and sulfur oxides.

Possibility of hazardous reactions	Not available.
Conditions to avoid	Not available.

Section 11. Toxicological Information

Oral LD50	Not available.	**Skin corrosion/irritation**	Not available.
Inhalation LC50	Not available.	**Serious eye damage/irritation**	Not available.
Dermal LD50	Not available.	**Respiratory or skin sensitization**	Not available.
Other information on acute toxicity	Not available.	**Germ cell mutagenicity**	Not available.
Reproductive Toxicity	Not available.	**Aspiration Hazard**	Not available.
Specific organ toxicity single exposure (GHS)	Not available.	**Synergistic effects**	Not available.
Specific organ toxicity repeated exposure (GHS)	Not available.	**Additional Information**	Not available.
Teratogenicity	Not available.	**Signs and symptoms of exposure**	Not available.

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

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.

Section 12. Ecological Information

Toxicity	Avoid release into the environment.	**Mobility in soil**	Not available.
		PBT and vPvB assessment	Not available.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal Dispose of material according to all federal, state, and local regulations.
Offer material to a licensed, professional waste disposal company. Dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, 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 Components No SARA hazards.

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

Pennsylvania Right To Know Components Bis(aziridinyl)methylamino Phosphine Sulfide CAS #: 13687-09-7 Revision Date:

New Jersey Right To Know Components Bis(aziridinyl)methylamino Phosphine Sulfide CAS #: 13687-09-7 Revision Date:

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

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 5/22/2019

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