



## Material Safety Data Sheet

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MSDS Prepared: May 29, 2008

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### SECTION 1 – SUBSTANCE IDENTITY

Product Name: Aloprim™ (allopurinol sodium) for injection  
Synonyms: Allopurinol; 1,5-dihydro-4H-pyrazolo[3,4-d] pyrimidin-4-one monosodium salt; H-Pyrazolo [3,4-d] pyrimidin-4-ol (IUPAC)

### SECTION 2 - CHEMICAL COMPOSITION AND DATA ON COMPONENTS

Components	OSHA PEL	ACGIH TLV	NIOSH REL
H-Pyrazolo [3,4-d] pyrimidin-4-ol	N/A	N/A	N/A

### SECTION 3 - HAZARDS IDENTIFICATION

Aloprim™ is not expected to present a significant health risk by occupational exposure. However, it may have the potential to cause skin sensitization. Acute or chronic ingestion may result in nausea, vomiting, and diarrhea. Hypersensitivity and dermatological adverse effects are the most common manifestations via ingestion.

### SECTION 4 - FIRST AID MEASURES

Eyes: In case of contact, flush eyes with plenty of water for at least 15 minutes. If irritation, pain, swelling, lacrimations, or photophobia persist, seek medical attention.

Inhalation: Remove person to fresh air. Monitor for respiratory distress. If cough or difficulty in breathing develops, seek medical attention.

Ingestion: In conscious, rinse mouth with water. Obtain medical attention.

Skin Contact: Flush area with water for at least 15 minutes and wash thoroughly with soap and water. Seek medical attention.

Percutaneous: N/A

Note to Physician: N/A

## **SECTION 5 – FIRE AND EXPLOSION DATA**

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

Special Fire Fighting Procedures: Use protective clothing and breathing equipment appropriate for the surrounding fire.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Wear protective equipment appropriate to the scale of the spillage. A minimum of rubber or plastic gloves and eye protection such as goggles should be worn. If there is a risk of exposure to the air borne dust wear suitable respiratory protection. If possible, stop the spillage. Collect the spillage, preferably by vacuum and transfer to a suitable, labeled, sealable container for safe recovery and disposal. Small spillages may be collected on absorbent paper dampened with a weak sodium hydroxide solution. Transfer to a labeled, sealed container for disposal. Wash spill area with a suitable cleaning solvent, then wash with soap and water.

## **SECTION 7 - HANDLING AND STORAGE**

Store in original container in cool dry area. Minimize exposure by using suitable exhaust ventilation.

## **SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Workers should wear adequate eye protection to prevent eye contact. Local exhaust ventilation should be used in production settings. In laboratories, use a chemical fume hood where possible. Impermeable gloves should be worn when routine handling or spill cleanup may result in skin contact. Protective clothing should be determined based upon the engineering controls in use.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Solubility in Water: Insoluble in water

Specific Gravity: N/A

Freezing Point: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Melting Point: 350°C decomposes

Vapor Density: N/A

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Evaporation Rate: N/A

Odor: Odorless

pH: 6

Appearance: Fluffy white or off-white lyophilized crystalline powder

## **SECTION 10 - STABILITY AND REACTIVITY**

Stability: Stable under normal conditions. Decomposes with a light exotherm on heating at 385-387°C

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Inorganic acids and bases

Hazardous Decomposition or Byproducts: The products of combustion or thermal decomposition may include toxic vapors containing carbon monoxide and nitrogen oxides.

Hazardous Polymerization: None known

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Oral LD<sub>50</sub> (rat) 600 mg/kg  
Oral LD<sub>50</sub> (mice) 78 mg/kg

## **SECTION 12 - ECOLOGICAL INFORMATION**

None

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state and federal regulations

## **SECTION 14 - TRANSPORT INFORMATION**

US Department of Transportation Not Regulated  
IATA/ICAO Not Regulated  
IMDG Not Regulated  
RQ None  
Marine Pollutant No

## **SECTION 15 – REGULATORY INFORMATION**

The Food and Drug Administration has licensed this product.

**SECTION 16 - OTHER INFORMATION**

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