

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078842766

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078464167 078472133 078549690 078565003 078578259 078695020 078770033 078804398 078804406 078842774

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078085475 078099508

Macleod Pharmaceuticals, Inc.

UNIPRIM POWDER FOR HORSES

IDENTITY (As Used on Label and List): Uniprim Powder For Horses

----- SECTION VI - HEALTH HAZARD DATA -----

SECTION I

MANUFACTURER'S NAME: MACLEOD PHARMACEUTICALS, INC.  
 2600 CANTON COURT, SUITE C  
 FORT COLLINS, CO 80525  
 EMERGENCY TELEPHONE NUMBER:  
 TELEPHONE NUMBER FOR INFORMATION: (970) 482-7254  
 DATE PREPARED: 07/15/10

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components

Specific Chemical Identity; Common Name(s)	OSHA PEL	ACGIH TLV	§ (optional)
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2, 4-Diamine -5- (3, 4, 5- trimethoxybenzyl) pyrimidine; Trimethoprim (TMP), LD50-7000 mg/kg Cas. No. [738-70-5] Other Limits Recommended: N(1)-2- pyrimidinylsulfanilimide; Sulfadiazine (SDZ), Cas. No. [68-35-9] Other Limits Recommended:			
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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A  
 VAPOR PRESSURE (mm Hg.): N/A  
 VAPOR DENSITY (AIR = 1): N/A  
 SPECIFIC GRAVITY (H2O = 1): N/A  
 MELTING POINT: Limestone = 825 deg C, TMP = 199-203 deg C,  
 SDZ = 252-256 deg C  
 EVAPORATION RATE (Butyl Acetate = 1):  
 SOLUBILITY IN WATER: Limestone - Negligible, TMP = 40  
 mg/100 mL, SDZ = 13 mg/100 mL  
 APPEARANCE AND ODOR: Off white odorless powder

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): N/A  
 FLAMMABLE LIMITS: N/A  
 LEL: N/A  
 UEL: N/A  
 EXTINGUISHING MEDIA: Water or Foam  
 SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear proper protective equipment and self-contained breathing equipment with full face piece, operated in positive pressure mode.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Concentrated TMP dust may present a dust explosion hazard. Eliminate source of ignition.

SECTION V - REACTIVITY DATA

STABILITY: Stable  
 CONDITIONS TO AVOID: Heat above 1500 deg F  
 INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, strong acids, Fluorine, Ammonium Salts  
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Toxic fumes of NOx, Oxides, Carbon Monoxide, Carbon Dioxide.  
 HAZARDOUS POLYMERIZATION: Will Not Occur  
 CONDITIONS TO AVOID: N/A

ROUTE(S) OF ENTRY:

INHALATION? Yes  
 SKIN? Only through open wounds  
 INGESTION? Yes

HEALTH HAZARDS (Acute and Chronic): Acute at extremely high concentrations with possible coughing and difficult breathing. Chronic effects above the TLV, chronic cough and bronchitis.

CARCINOGENICITY: Studies indicate (see attachment) that Sulfamethazine (chemically related to Sulfadiazine) induces cancer when ingested by animals.

NTP?  
 IARC MONOGRAPHS?  
 OSHA REGULATED?

SIGNS AND SYMPTOMS OF EXPOSURE: Erythema, Eye and/or respiratory tract irritation. Possible nausea, possible hypersensitization.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with existing respiratory disease may be aggravated by overexposure.

EMERGENCY AND FIRST AID PROCEDURES:  
 INHALATION: Move person to fresh air.  
 INGESTION: Give large amounts of water.  
 HYPERSENSITIVITY: Requires immediate medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Carefully sweep up spilled material and wipe area clean.  
 WASTE DISPOSAL METHOD: Dispose of waste in accordance with all Federal, state and local regulations. Avoid introduction into ecological systems.  
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in air tight container. Avoid exposure to light.  
 OTHER PRECAUTIONS: Avoid breathing dust. Avoid dust accumulation. Avoid contact with eyes.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): NIOSH/MSHA approved respiratory protection.  
 VENTILATION:  
 LOCAL EXHAUST: Recommended  
 MECHANICAL (General): Recommended  
 SPECIAL: N/A  
 OTHER: N/A  
 PROTECTIVE GLOVES: Rubber recommended for direct contact.  
 EYE PROTECTION: MSHA or OSHA approved safety goggles.  
 OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective apparel as required to avoid skin exposure.  
 WORK/HYGIENIC PRACTICES: Wash body after work with material is complete.

APPROVED BY: G. Parrinello  
 REPRESENTING: Macleod Pharmaceuticals, Inc.  
 DATE: 07/15/10