

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-611/6112-76-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

6112-76-1

Code:

T

RTECS:

UP0400000

Code:

T

Name:

6-MERCAPURINE MONOHYDRATE OR MERCAPURINE 1

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:**OSHA STEL:**

N/P

Code:**ACGIH TLV:**

N/P

Code:**ACGIH STEL:**

N/P

Code:

Control Measures

Respiratory Protection:

NOT REQUIRED UNDER NORMAL CONDITIONS OF THERAPEUTIC USE AND STORAGE. RESPIRATORY PROTECTIVE EQUIPMENT MAY BE NECESSARY TO PROVIDE ADDITIONAL PROTECTION FOR DUSTY PROCESSED AND IN THE ABSENCE OF SUFFICIENT ENGINEERING CONTROLS. USE NIOSH APPROVED RESPIRATORY PROTECTION TO CONTROL AIRBORNE LEVELS BELOW THE OEL.

Ventilation:

NO SPECIAL VENTILATION REQUIREMENTS FOR NORMAL, THERAPEUTIC DOSAGE & ADMINISTRATION. FOR DUSTY PROCESSES: LOCAL EXHAUST VENTILATION.

Protective Gloves:

USE IMPERMEABLE (E.G. LATEX) GLOVES TO PREVENT SKIN CONTACT.

Eye Protection:

WORKERS SHOULD WEAR ADEQUATE EYE PROTECTION TO PREVENT EYE CONTACT.

Other Protective Equipment:

Equipment 3 ADEQUATE PROTECTIVE CLOTHING SHOULD BE WORN TO PREVENT OCCUPATIONAL SKIN CONTACT.

Work Hygienic Practices:

SPECIAL CARE SHOULD BE TAKEN TO ENSURE THAT CONTAMINATED CLOTHING, EQUIPMENT, AND SURFACES ARE PROPERLY CLEANED AFTER USE. WASH HANDS AND OTHER AREAS OF SKIN CONTACT THROUGHLY AFTER HANDLING.

Supplemental Safety and Health:

CONTAMINATED CLOTHING SHOULD BE DISPOSED OF OR CLEANED. POTENTIALLY CONTAMINATED CLOTHING SHOULD BE PACKAGED FOR LAUNDERING TO PREVENT EXPOSURE OF LAUNDRY PERSONNEL.

Health Hazards Data

LD50/LC50/Mixture:

LD50 (MOUSE) = 1250 MG/KG

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

MERCAPURINE IS A POWERFUL CYTOTOXIC AGENT. MAY BE HARMFUL IF SWALLOWED. MAY BE HARMFUL IF INHALED. MAY CAUSE SENSITIZATION OF SKIN. POSSIBLE RISK TO UNBORN CHILD. MUTAGEN AND PROBABLE HUMAN CARCINOGEN. POSSIBLE REPRODUCTIVE HAZARD. WHEN USED MEDICALLY, HAS BEEN ASSOCIATED WITH: BONE MARROW SUPPRESSION LEADING TO ANEMIA, THROMBOCYTENIA, LEUKOPENIA, OR A COMBINATION OF THESE; LIVER TOXICITY (WITH JAUNDICE AND Elevated SERUM ENZYMES INDICATIVE OF LIVER DAMAGE), SKIN RASH, AND OTHER EVIDENCE

Explanation Of Carcinogenicity:

MERCAPURINE IS A PROBABLE HUMAN CARCINOGEN, BUT THE RISK IS UNKNOWN.

Signs And Symptoms Of Overexposure:

SIGNS AND SYMPTOMS OF OVERDOSE-IMMEDIATE: ANOREXIA, NAUSEA, VOMITING AND DIARRHEA. DELAYED: MYELOSUPPRESSION, LIVER DYSFUNCTION, GASTROENTERITIS. ADMINISTRATION OF PURINETHOL HAS BEEN ASSOCIATED WITH SKIN RASHES AND HYPERPIGMENTATION. OTHER SYMPTOMS: JAUNDICE, Elevated SERUM ENZYMES.

Medical Cond Aggravated By Exposure:

RARE INDIVIDUALS WITH INHERITED DEFICIENCY OF THE ENZYME THIOPURINE METHYLTRANSFERASE (TPMT) MAY BE UNUSUALLY SENSITIVE TO THE MYELOSUPPRESSIVE EFFECTS OF MERCAPURINE.

First Aid:

IN EYES: FLUSH IMMEDIATELY WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION. ON SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH EXPOSED SKIN WITH WATER AND WASH THOROUGHLY WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION. INHALED: IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION OR CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. REMOVE PERSON TO FRESH AIR. OBTAIN MEDICAL ATTENTION. INGESTED: IF CONSCIOUS, RINSE MOUTH WITH WATER. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN

Spill Release Procedures:

PROTECTIVE EQUIPMENT MAY BE NECESSARY FOR SPILLS. SMALL QUANTITIES FROM NORMAL THERAPEUTIC USE: COLLECT SPILLAGE, MINIMIZING DUST AND TRANSFER TO CLOSED WASTE CONTAINER FOR DISPOSAL. LARGE BULK QUANTITIES: COLLECT BY WET WIPING OR HEPA VACUUMING AND PLACE IN A LABELED, SEALED CONTAINER FOR DISPOSAL. WASH SPILL AREA WITH SUITABLE CLEANING SOLVENT THEN WASH WITH WATER. CLEAN AREA WITH SOAP & WATER.

Neutralizing Agent:

CLEANING SOLVENT: DILUTE ALKALINE PERMANGANATE SOLUTION.

Waste Disposal Methods:

2 ROUTINE: UNUSED PRODUCT SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. ACCIDENTAL RELEASE: CLEAN UP SPILLS IMMEDIATELY AS PREVIOUSLY NOTED, OBSERVING PRECAUTIONS FOR PERSONAL PROTECTION. REMOVE OR DECONTAMINATE ALL RESIDUES TAW FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

AVOID MOISTURE BY ANY ROUTE. USE ONLY IN WELL-VENTILATED AREA WITH LIMITED ACCESS. PROPERLY IDENTIFY (SIGNAGE & LABELS) POTENTIAL HAZARDS IN WORK AREAS. NO OPEN HANDLING OF POWDERS OR UNCOATED TABLETS UNLESS PRECAUTIONS HAVE BEEN ATKEN TO MINIMIZE SURFACE CONTAMINATION.

Other Precautions:

AEROSOL-GENERATING PROCEDURES SHOULD BE CONDUCTED IN A LABORATORY FUME HOOD. DECONTAMINATE EQUIPMENT AND SURFACES THAT MAY HAVE COME IN CONTACT WITH COMPOUND. WASH HANDS AND OTHER EXPOSED SKIN THOROUGHLY BEFORE LEAVING WORK AREA. STORE AT 15-25C (59-77F) IN A DRY PLACE. KEEP IN ORIGINAL CONTAINER TIG HTLY CLOSED.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/P

Flash Point Text:

NOT DETERMINED

Autoignition Temp:

N/P

Autoignition Temp Text:

N/P

Lower Limits:

N/D

Upper Limits:

N/D

Extinguishing Media:

WATER SPRAY, MULTIPURPOSE DRY CHEMICAL.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING AND USE SELF-CONTAINED BREATHING APPARATUS (SCBA).

Unusual Fire/Explosion Hazard:

TABLETS SHOULD BE DUST-FREE. HOWEVER, BREAKAGE OF TABLETS, ESPECIALLY IN BULK OPERATIONS, COULD CONTRIBUTE TO DUST FORMATION. AS WITH ANY ORGANIC DUST, THERE IS POTENTIAL FOR EXPLOSION WHEN HIGH CONCENTRATIONS ARE SUSPENDED IN AIR. N/D= NOT DETERMINED.

Physical/Chemical Properties

KC:

N/P

NRC/State Lic No:

N/P

Net Prop WT For Ammo:

N/P

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

N/P

Vapor Density:

N/P

Volatile Org Content %:

N/P

Spec Gravity:

N/P

VOC Pounds/Gallon:

N/P

pH:

N/P

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

N/P

0.26 MG/L: MERCAPURINE

N/P

Appearance and Odor:

N/P

PURINETHOL TABLETS ARE PALE YELLOW TO BUFF SCORED TABLETS IMPRINTED WITH 04A**Percent Volatiles by Volume:**

N/P

Corrosion Rate:

N/P

First Aid:

N/P

Reactivity Data**Stability Indicator:**

N/P

Stability Condition To Avoid:

NOT DETERMINED.

Materials To Avoid:

NO KNOWN INCOMPATIBILITIES HAVE NOT BEEN IDENTIFIED FOR MERCAPURINE, THE ACTIVE INGREDIENT IN PURINETHOL TABLETS.

Hazardous Decomposition Products:

PRODUCTS OF MERCAPURINE: OXIDES OF NITROGEN AND SULFUR. HAVE NOT BEEN DETERMINED. THERMAL DECOMPOSITION

Hazardous Polymerization Indicator:

N/P

Conditions To Avoid Polymerization:

NOT DETERMINED.

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P