

BURROUGHS WELLCOME CO. -- THIOGUANINE -- 6505-01-153-3394

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Product Identification  
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Product ID:THIOGUANINE

MSDS Date:08/24/1988

FSC:6505

NIIN:01-153-3394

MSDS Number: BHHQM

=== Responsible Party ===

Company Name: BURROUGHS WELLCOME CO.

Address: 3030 CORNWALLIS ROAD

City: RESEARCH TRIANGLE PARK

State: NC

ZIP: 27709-4416

Country: US

Info Phone Num: 919-248-3000

Emergency Phone Num: 919-248-3000

CA

GE: 5P291

=== Contractor Identification ===

Company Name: BURROUGHS WELLCOME CO NATIONAL ACCOUNTS DIV

Address: 3030 CORNWALLIS RD

Box: City: RESEARCH TRIANGLE PARK

State: NC

ZIP: 27709-4416

Country: US

CAGE: 5P291

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Composition/Information on Ingredients  
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Ingred Name: THIOGUANINE (6-THIGUANINE OR  
2-AMINO-1,7-DIHYDRO-6H-PURINE-6-THIONE)

CAS: 154-42-7

RTECS #: UP0740000

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Hazards Identification  
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LD50 LC50 Mixture: LD50 ORAL RAT = 740

MG/KG

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THIOGUANINE HAS BEEN SHOWN TO BE TERATOGENIC IN RATS. DRUGS SUCH AS THIOGUANINE ARE POTENTIAL CARCINOGENS, MUTAGENS AND TERATOGENS. THIOGUANINE MAY CAUSE FETAL HARM WHEN ADMINISTERED TO A PREGNANT WOMAN.

Explanation of Carcinogenicity:MANUFACTURER STATES THIOGUANINE IS A POTENTIAL CARCINOGEN, BUT IT IS NOT LISTED UNDER IARC,NTP OR OSHA

Effects of Overexposure:NAUSEA, VOMITING, ANOREXIA, MALAISE, HYPERTENSION, DIAPHORESIS, AND STOMATITIS MAY OCCUR. THE SUPPRESSIVE EFFECT ON BONE MARROW AND AZOTEMIA IS LIKELY TO BE DELAYED FOR SEVERAL DAYS.

Medical Cond Aggravated by Exposure:MANUFACTURER DID NOT SPECIFY.

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===== First Aid Measures =====

First Aid:IF INGESTED, WASH MOUTH. IF INGESTION WAS RECENT, INDUCE VOMIT, GASTRIC LAVAGE AND ADMINISTRATION OF CHARCOAL MAY REDUCE ABSORPTION. CONTACT PHYSICIAN.

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===== Fire Fighting Measures =====

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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===== Handling and Storage =====

Handling and Storage Precautions:KEEP IN ORIGINAL CONTAINER TIGHTLY CLOSED. PROTECT FROM LIGHT.

Other Precautions:NONE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED.

Ventilation:NORMAL ROOM VENTILATION.

Protective Gloves:NONE

REQUIRED.

Eye Protection:NONE REQUIRED.

Other Protective Equipment:NONE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

MSDS SUPPLIED BY MANUFACTURER WAS FOR BULK AMOUNT. HMIS MODIFIED MSDS FOR TABLET FORM. THIOGUANINE IS AN ANTINEOPLASTIC DRUG.

===== Physical/Chemical Properties =====

HCC:N1

Solubility in Water:APPRECIABLE.

Appearance and Odor:SLIGHTLY YELLOW POWDER WITH NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. ARRANGE FOR CHEMICAL INCINERATION OR SUPERVISED BURIAL AT AN APPROVED TOXIC WASTE FACILITY. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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