

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-154/154-42-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

154-42-7

Code:

M

RTECS:

UP0740000

Code:

M

Name:

THIOGUANINE (6-THIOGUANINE OR 2-AMINO-1,7-DIHYDRO

Other REC Limits:

NOT ESTABLISHED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NONE REQUIRED.

Ventilation:

NORMAL ROOM VENTILATION.

Protective Gloves:

NONE REQUIRED.

Eye Protection:

NONE REQUIRED.

Other Protective Equipment:

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 ANTI NEOPLASTIC DRUG. 4

Health Hazards Data

LD50/LC50/Mixture:

LD50 ORAL RAT = 740 MG/KG

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - 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:

2 MANUFACTURER STATES THIOGUANINE IS A POTENTIAL CARCINOGEN, BUT IT IS NOT LISTED UNDER IARC, NTP OR OSHA.

Signs And Symptoms 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.

First Aid:

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

Spill Release Procedures:

SWEEP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

Neutralizing Agent:

N/P

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.

Handling And Storage Precautions:

KEEP IN ORIGINAL CONTAINER TIGHTLY CLOSED. PROTECT FROM LIGHT.

Other Precautions:

NONE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/R

Flash Point Text:

N/R

Autoignition Temp:

N/R

Autoignition Temp Text:

N/A 3

Lower Limits:

N/R

Upper Limits:

N/R

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.

Physical/Chemical Properties

HCC:

N1

NRC/State LTC No:

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

M.P/F.P. Text:

UNKNOWN

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/R

Spec Gravity:

UNKNOWN

VOC Pounds/Gallon:

N/R

PH:

N/P

VOC Grams/Liter:

N/R

Viscosity:

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

APPRECIABLE

Appearance and Odor:

SLIGHTLY YELLOW POWDER WITH NO ODOR.

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/R

Materials To Avoid:

N/R

Hazardous Decomposition Products:

N/R

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

LookChem

Look for Chemicals

www.lookchem.com

For R&D use only. Not for drug, household or other uses. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from the use of the information contained in this document or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.