

Section 1: Identification

Product Name Methimazole USP
Commercial Name Methimazol, Metazolo, Basolan, Danantizol, Favistan, Frentirox,
Product Use Not available
Restrictions On Use Not available
Product Code 55-1943
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Serious eye damage/eye irritation Category 2A Sensitization, skin Category 1B Reproductive toxicity
CFR 1910.1200 Category 2 Specific target organ toxicity, repeated exposure Category 2 (thyroid gland)
Signal Word WARNING

Hazard Statement(s) HARMFUL IF SWALLOWED. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Pictogram(s) or Symbol(s)


Precautionary Statement(s):

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection
Response If on skin: Wash with plenty of water/. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell
Storage Store locked up.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Methimazole USP
% By Weight 100
CAS# 60-56-0
Molecular Weight 114.17 g/mole
Chemical Formula C4-H6-N2-S
Synonym(s) 1,3-Dihydro-1-methyl-2H-imidazole-2-thione; 1-Methyl-2mercaptoimidazole; 2-Mercapto-1-methylimidazole; Methylmercpatoimidazole

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|-----------------|---------|-------------|----------------|---|
| Methimazole USP | 60-56-0 | 100 | Not Available. | ORAL (LD50): Acute: 2250 mg/kg [Rat]. 860 mg/kg [Mouse]. |

Section 4: First-Aid Measures

| | |
|-------------------------|---|
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin Contact | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| Eye Contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur |
| Symptoms/Effects | |
| Acute | May cause allergic skin reaction. Pharmacologically active material. Occupational exposure may cause physiological effects. |
| Delayed | May cause allergic skin reaction. Pharmacologically active material. Occupational exposure may cause physiological effects. |

Immediate Medical Attention

Treat symptomatically. Overdose treatment may include the following: Administer activated charcoal as a slurry. For myelosuppression, administer colony stimulating factor for severe neutropenia. For severe thrombocytopenia or bleeding, transfuse platelets and/or packed red blood cells. Monitor CBC with differential and platelet count, liver enzymes, thyroid function, and fluid and electrolyte status. Hemodialysis, peritoneal dialysis, forced diuresis, or charcoal hemoperfusion have not been shown to be beneficial

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water. Foam. Dry chemical or CO₂. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Not available

Products of Combustion

No unusual fire or explosion hazards noted

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS Methods and materials for containment and cleaning up: Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

| | |
|-----------------------------|---|
| Exposure Limits | Not available. |
| Engineering Controls | For laboratory operations, use local exhaust ventilation or a ventilated enclosure for high energy operations such as particle sizing. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred. |

Personal Protection

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin protection Hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Train employees in proper gowning and degowning practices. Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Use a tight-fitting full-face respirator with HEPA filters for spill cleanup. Choose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene consideration: Handling practices in this SDS are recommendations for laboratory use of reference standards. Procedures for any other uses or quantities should be determined after an appropriate assessment.

Section 9: Physical and Chemical Properties

| | | | |
|---|---|--|----------------------|
| Appearance | Solid White Powder | | |
| Odor | Characteristic | | |
| Odor Threshold | Not available | | |
| Melting Point | 293 °F (145 °C) | pH | Not available |
| Freezing Point | Not known | Vapor Pressure | 0.00004 kPa at 25 °C |
| Boiling Point/Range | 536 °F (280 °C) | Vapor Density | Not available. |
| Decomposition temperature | Not known | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | -0.34 | Evaporation Rate | Not known |
| Flash Point | Not available. | Autoignition temperature | Not known |
| Flammability | Not known | Flammability or Explosive Limits: | |
| | | Lower | Not known |
| | | Upper | Not known |
| Solubility(ies) | Freely soluble in water. | | |
| Other | Chloroform: Freely soluble. Alcohol: Freely soluble. Chemical family Thioamide derivative. Molecular formula C ₄ H ₆ N ₂ S Molecular weight 114.17 | | |

Section 10: Stability and Reactivity

| | |
|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical Stability | Material is stable under normal conditions |
| Hazardous Polymerization | No dangerous reaction known under conditions of normal use |
| Conditions to Avoid | Contact with incompatible materials |
| Incompatible Materials | Strong acids. Strong oxidizing agents. Strong bases |
| Hazardous Decomposition Products | SOx. NOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions |

Section 11: Toxicological Information**RTECS** NI8615000**Acute Toxicity**

Oral LD50 Rat 2250 mg/kg

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Causes serious eye irritation

Respiratory or Skin Sensitization

May cause an allergic skin reaction

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Suspected of damaging fertility or the unborn child. Therapeutic use of methimazole can cause adverse effects (hypothyroidism, goiter, and scalp defects) in the fetus, although the actual risk of fetal death or abnormal development appears to be low, especially if maternal doses are low. Fetal hypothyroidism and goiter usually occur when the antithyroid agents are used at the end of the pregnancy

Routes of Entry

Skin. Eye. Ingestion.

Symptoms Related to Exposure

Gastrointestinal disturbances. Swelling. Central nervous system effects. Jaundice. Blood disorders.

Potential Health Effects

Pharmacologically active material. Occupational exposure may cause physiological effects

Target Organ(s)

May cause damage to organs () through prolonged or repeated exposure

Section 12: Ecological Information**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

Disposal of Container

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. SARA 302 Extremely hazardous substance Superfund Amendments and Reauthorization Act of 1986 (SARA) Not listed. YesSARA 311/312 Hazardous chemical Serious eye damage or eye irritation Respiratory or skin sensitization Reproductive toxicity Specific target organ toxicity (single or repeated exposure) Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) US state regulations California Proposition 65 This product can expose you to Methimazole, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. WARNING: California Proposition 65 - CRT: Listed date/Developmental toxin Methimazole (CAS 60-56-0) Listed: July 1, 1990



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Methimazole USP

55-1943

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36/37/38- Irritating to eyes, respiratory system and skin.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

Section 16: Other Information

Not available.