



Section 1. Product and Company Identification

Product Name Methimazole
CAS Number 60-56-0

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801

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 parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Acute Toxicity - Oral (Category 5)
Sensitization - Skin (Category 1)
Toxic to Reproduction (Category 2)

GHS Label Elements

Pictograms:



Signal word: Warning

Hazard and precautionary statements

May be harmful if swallowed.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Prevention

Avoid breathing dust, fume, gas, mist, vapors, spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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 exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

Dispose of contents and/or container in accordance with local regulations.

Health Hazard: 2

Flammability: 0

Reactivity: 0

Personal Protection: E

Section 3. Composition / Information on Ingredients

Common Name Methimazole
Synonym(s) 2H-Imidazole-2-thione, 1, 3-dihydro-1-methyl-
Formula C₄H₆N₂S
CAS Number 60-56-0

COMPONENT	CAS NUMBER	CONCENTRATION
Methimazole	60-56-0	100%

Section 4. First Aid Measures

In Case of Eye Contact: Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

In Case of Skin Contact: Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

If Swallowed: Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

If Inhaled: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

Symptoms and Effects Not expected to present a significant hazard under anticipated conditions of normal use.

Section 5. Firefighting Measures

Specific Hazards Arising From the Chemical: Not applicable

Flammable Properties: May be combustible at high temperature

Hazardous Combustion Products: Under fire conditions, hazardous fumes will be present.

Extinguishing Media

Small fire: dry chemical, CO₂ or water spray.

Large fire: dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.



Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

Personal Precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Methods & Material for Containment: On land, sweep or shovel into suitable containers. Minimize generation of dust.

Cleanup Procedure: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

Section 7. Handling and Storage

Precautions for Safe Handling: Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

Storage Conditions: Preserve in well-closed, light-resistant containers.

Section 8. Exposure Controls / Personal Protection

OSHA PEL: N/L

AIHA WEEL: N/L

Safe Work Australia HSIS: N/L

Exposure Guidelines: Consult local authorities for provincial or state exposure limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Specific Engineering Controls: Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower.



Section 9. Physical and Chemical Properties

Physical State: Solid

Description: White to pale buff, crystalline powder, having a faint, characteristic odor.

Solubility: Freely soluble in water, in alcohol, and in chloroform; slightly soluble in ether.

Odor: Faint characteristic odor

Flammability: May be combustible at high temperature

Melting Point: (144 - 147)°C, (291.2 - 296.6)°F

Flash Point: > 100°C, > 212°F

Section 10. Stability and Reactivity

Reactivity: Not established

Stability: Stable under recommended storage conditions

Materials to Avoid: Strong oxidants

Hazardous Decomposition Products: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and other gases may occur

Hazardous Polymerization: Will not occur

Possibility of Hazardous Reaction: Not established

Conditions to Avoid: Moisture, sunlight and extreme temperatures

Section 11. Toxicological Information

Acute Toxicity: Oral: Rat: LD50: 2250 mg/kg

Skin Corrosion/Irritation: Not available

Serious Eye Damage/Eye Irritation: Not available

Respiratory or Skin Sensitization: May cause allergic skin reaction.

Germ Cell Mutagenicity Not available

Carcinogenicity

OSHA: METHIMAZOLE is not listed.

NTP: METHIMAZOLE is not listed.

IARC: METHIMAZOLE is listed in group 3 (not classifiable as to its carcinogenicity to humans).

California Proposition 65: This product contains the following chemical known to the State of California to cause birth defects or other reproductive harm: METHIMAZOLE, USP.

Reproductive Toxicity: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. May cause congenital malformation in the fetus. Suspected human reproductive toxicant.

Specific Target Organ Toxicity - Single Exposure: Not available

Specific Target Organ Toxicity - Repeated Exposure: Not available

Aspiration Hazards: Not available



Signs and Symptoms of Exposure: Not expected to present a significant hazard under anticipated conditions of normal use.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation

Eyes: May cause eye irritation.

Notes: May cause nausea, vomiting, gastric discomfort, headache, arthralgia, skin rashes, pruritus, hair loss, bone-marrow depression, mild leucopenia, agranulocytosis, aplastic anaemia, thrombocytopenia, hypoprothrombinaemia, liver damage, fever, myopathy, vasculitis, nephritis, taste disturbances, hypothyroidism and goiter if in excessive doses.

Section 12. Ecological Information

Toxicity: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

Other Adverse Effects: Not available

This product is not intended to be released into the environment

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

United States & Canada

UN Proper Shipping Name: Not dangerous good

UN Number: Not applicable

Class: Not applicable

Packing Group: Not applicable

Section 15. Regulatory Information

CERCLA 40 CFR Part 302.4: N/L

SARA (Title III) 40 CFR Part 372.65: N/L

EPA 40 CFR Part 355

Appendix A: N/L

Appendix B: N/L



Right-to-know

Pennsylvania: N/L

New Jersey: N/L

Massachusetts: N/L

California Prop 65: Listed

Section 16. Other Information

Disclaimer: 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 is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 8/20/2015

