

MATERIAL SAFETY DATA SHEET

METHIMAZOLE/THIAMAZOLE

SECTION NO.1 : IDENTIFICATION

1.1 Product identifier

Product Name : Methimazole/Thiamazole.

Formula : C₄H₆N₂S

CAS Number : 60-56-0

EC number : 200-482-4

Chemical Name : 2H-Imidazole-2-thione, 1,3-dihydro-1-methyl-imidazole-2-thiol

Therapeutic Category : Thyroid inhibitor

1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory chemicals, Manufacture of substances,

1.3 Application of the substance / the preparation Material for formulation and industrial.

1.4 Manufacturer/Supplier:

Innova Pharmactive Private Limited

NS: 13 to 16, N.I.E.C.S. Ltd, Uppalwadi,

Nagpur-440010, Maharashtra , India

1.5 Further information obtainable from: email: info@innovapharmactive.com

1.6 Emergency telephone number: +91 (712) 2641444 (Monday - Saturday: 9.30am – 6.30pm)

SECTION NO.2 : Hazard (s) Identification

2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) No 1272/2008

Skin sensitization: (Category 1), H317

Reproductive toxicity :(Category 2), H361

2.2 Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statement(s)

H317: May cause an allergic skin reaction.

H361: Suspected of damaging fertility or the unborn child.

Precautionary statement(s) P280 Wear protective gloves.

Supplemental Hazard : none

2.3 Other hazards: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher..

CINNo.U24100MH2010PTC204654

PlotNo.NS:13-16,Nagpur Ind.EstateCo-Op.SocietyLtd.,Uppalwadi,NAGPUR-440026(M.S.)India

Tel.:07122641444/2649427|Email:info@innovapharmactive.com|innovapharmactive@gmail.com| www.innovapharmactive.com

SECTION NO.3 : Composition/information on ingredients

Product Name: Methimazole/Thiamazole.
 Formula : C₄H₆N₂S
 CAS Number: 60-56-0
 EC number: 200-482-4
 Chemical Name : 2H-Imidazole-2-thione, 1,3-dihydro-1-methyl-imidazole-2-thiol.

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Methimazole/Thiamazole CAS Number :60-56-0 EC number : 200-482-4	Skin Sens. 1; Repr. 2; H317, H361	<= 100 %

SECTION NO.4 : First-aid-measure
4.1 Description of first aid measures
· General information:

Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 Hours after the accident is recommended.

· After **inhalation**: In case of unconsciousness place patient in recovery position for transport.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse mouth. Do not induce vomiting.

Call for a doctor immediately.

· Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION NO.5 : Fire-fighting measures
5.1 Extinguishing media
· Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

· Advice for firefighters

· **Protective equipment:** Wear self-contained respiratory protective device.

CINNo.U24100MH2010PTC204654

PlotNo.NS:13-16,Nagpur Ind.EstateCo-Op.SocietyLtd.,Uppalwadi,NAGPUR-440026(M.S.)India

Tel.:07122641444/2649427|Email:info@innovapharmactive.com|innovapharmactive@gmail.com | www.innovapharmactive.com

SECTION NO.6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid formation of dust.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION NO.7 : Handling and Storage

7.1 Precautions to Be Taken in Handling: Avoid breathing dust/fume/gas/vapours/spray.

Avoid prolonged or repeated exposure.

7.2 Precautions to Be Taken in Storing: Preserve in well –closed, light-resistant container.

SECTION NO.8 :Exposure controls/personal protection

8.1 Exposure Parameters

8.2 Exposure Controls:

8.2.1 Engineering Control (Ventillation etc): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye protection : Safety Glasses



Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant

Work/Hygienic/Maintenance Practices: Facilities storing or utilizing this material should be equipped with an eye wash and a safety shower. Wash thoroughly after handling. Wash thoroughly after handling.

SECTION NO.09 : Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance and form : Crystalline powder

Colour: White or Off white

Odour: Odourless

Odour threshold: Not determined.

pH-value: 6-7 (1 g/1 H₂O)

Change in condition

Melting point/Melting range: Between 143°C and 146°C

Boiling point/Boiling range: Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not determined.

Ignition temperature: Not determined.

CINNo.U24100MH2010PTC204654

PlotNo.NS:13-16,Nagpur Ind.EstateCo-Op.SocietyLtd.,Uppalwadi,NAGPUR-440026(M.S.)India

Tel.:07122641444/2649427|Email:info@innovapharmactive.com|innovapharmactive@gmail.com| www.innovapharmactive.com

Decomposition temperature: Not determined.
Self-igniting: Not determined.
Danger of explosion: Not determined.
Explosion limits:
Lower: Not determined.
Upper: Not determined.
Vapour pressure: Not applicable.
Density: Not determined.
Relative density Not determined.
Vapour density Not applicable.
Evaporation rate Not applicable.
Solubility in / Miscibility with water: Soluble in water
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
Dynamic: Not applicable.
Kinematic: Not applicable.
Other information No further relevant information available.

SECTION NO.10 :Stability and Reactivity

Reactivity Stable under normal conditions.
Chemical stability Stable under normal conditions.
Thermal decomposition / conditions to be avoided:
 Formation of toxic gases is possible during heating or in case of fire.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid Heat.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire.

SECTION NO.11 :Toxicological information

Routes of Entry: Inhalation. Ingestion.
Information on toxicological effects
Acute toxicity
 LD50 Oral - Rat - 2,250 mg/kg.
 Remarks: Peripheral Nerve and Sensation: Spastic paralysis with or without sensory change.
 Behavioral: Somnolence (general depressed activity). Behavioral: Tremor.
Skin corrosion/irritation
 No data available
Serious eye damage/eye irritation
 No data available

SECTION NO.12 : Ecological information (Non-mandatory)

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
 Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.
Behaviour in environmental systems:
Bioaccumulative potential No further relevant information available.

CINNo.U24100MH2010PTC204654

PlotNo.NS:13-16,Nagpur Ind.EstateCo-Op.SocietyLtd.,Uppalwadi,NAGPUR-440026(M.S.)India

Tel.:07122641444/2649427|Email:info@innovapharmactive.com|innovapharmactive@gmail.com| www.innovapharmactive.com

Mobility in soil No further relevant information available.
Special Remarks on the Products of Biodegradation: Not available.

SECTION NO.13: Disposal Considerations (Non-Mandatory)

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

SECTION NO.14: Transport information (Non-Mandatory)

UN-Number

ADR, ADN, IMDG, IATA Not applicable

ADR, ADN, IMDG, IATA Not applicable

Transport hazard class(es) ADR, ADN, IMDG, IATA Class : Not applicable

Packing group ADR, IMDG, IATA : Not applicable

Environmental hazards: No

Marine pollutant: No

Yes (PP)

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transportation Details from factory to customer end:

Finish Product is packed in double HMHDPE/LDPE bags placed in HMHDPE drums. The inner liner bag is food grade translucent LDPE. Inner and outer bag is sealed with the separate strip seal. Then the product label is attached on the outer bag. The lid of the drum is tightened and the ring lock is sealed with numbered seal with the company's logo. Product label with details is pasted on the side of the drum. Side indication label is pasted below the drum seal.

Storage Conditions: No special ! Transport conditions needed in accordance to the pharmacopeial monograph during transit.

SECTION NO.15: Regulatory information (Non-Mandatory)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION NO.16: Other information, including date of preparation or last revision

The information in this material safety data sheet (MSDS) has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that other or additional safety or performance considerations may arise when using, handling and/ or storing the material. The information in this MSDS does not purport to be all inclusive or a guarantee as to the properties of the material supplied and should be used only as a guide. Innova Pharmactive makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

Date of Preparation : 20/11/2025

Version No.: 03

CINNo.U24100MH2010PTC204654

PlotNo.NS:13-16,Nagpur Ind.EstateCo-Op.SocietyLtd.,Uppalwadi,NAGPUR-440026(M.S.)India

Tel.:07122641444/2649427|Email:info@innovapharmactive.com|innovapharmactive@gmail.com| www.innovapharmactive.com

