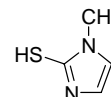


**PRODUCT:** M0400  
 Trade Name: **Methimazole / Thiamazole USP, Ph.Eur.**  
 Synonyms: 1,3-Dihydro-1-methyl-2H-imidazol-2-thione

Molecular Formula: C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>S  
 Formula Weight: 114.17  
 CA-Registry-No.: 60-56-0  
 EINECS-Number: 200-482-4  
 RTECS: NI8615000

**M0400**



**PHYSICAL PROPERTIES (literature data):**

melting point: 147 °C  
 boiling point: -  
 density: -  
 flash point: > 100 °C

**SAFETY DATA/TRANSPORT:**

Custom Tariff Code: 2933 29 90

Dangerous goods: **No**

Primary Label:

Secondary Label:

UN-Number:

Class:

Packing Group:

Kemler#:

GGVSee-EmS:

PSN (See+Luft):

R/S-Sentences: R: 20/22  
 S: 22-24/25

Labelling: Xn

**SPECIFICATION:**

Product is in conformity with the requirements of the current USP and European Pharmacopoeia.

Appearance:	white to pale buff crystalline powder with a faint characteristic odour
Identification:	IR-spectrum conforms, chemical reaction test positive
Assay:	98.0 - 101.0% (T)
Melting Range:	143.0 - 146.0 °C
Loss on Drying:	max. 0.5%
Residue on ignition:	max. 0.10 %
Impurities (TLC):	each individual max. 0.1 %, total max. 0.5%
Selenium:	max: 30 ppm
Residual Solvents:	Acetone and Ethylacetate: max. 1000 ppm; Methanol: max. 100 ppm
Colour and Clarity of Solution:	max. B6 and clear (max. Ref. I)
Heavy Metals:	max. 10 ppm
Impurities (GC):	Ph.Eur. A, B and C max. 0.1% each, any other single impurity: max. 0.1%, sum of all impurities: max. 0.5%

**APPLICATION:** Thyreostatic/Antihyperthyroid, intermediate for Carbimazol

**STORAGE:** Preserve in well-closed, light-resistant containers

**DATE OF ISSUE:** 12. 07. 2007

Directive 92/32/EEC: Art 2 (2): 8

The information submitted in this publication is based on our current knowledge and experience