

BRITISH PHARMACOPOEIA CHEMICAL REFERENCE SUBSTANCE

MATERIAL SAFETY DATA SHEET

Last revised: 12th May 2010

The substance to which this Safety Data Sheet relates is supplied exclusively as a British Pharmacopoeia Chemical Reference Substance (BPCRS) for chemical test and assay purposes. It is not intended to be used for any other purpose and **is not for human consumption**.

The BPCRS is supplied in accordance with the Terms of Trade and Supply as set out in the catalogue. The information set out in this sheet is applicable solely to the substance when used as a BPCRS and is not intended to apply to any other use or preparation of the substance (e.g. at different concentrations, in drug dosage form or in bulk quantities).

The information which follows has been assembled from sources considered reliable, in particular from material provided in the ordinary way by the manufacturer or supplier. It has not been independently verified by the British Pharmacopoeia. The accuracy of the information cannot therefore be guaranteed, nor does it constitute any expression of opinion by the British Pharmacopoeia concerning the substance. This information is not to be regarded as a representation or statement concerning the quality or safety of the substance except that of use as a BPCRS by professional persons having technical skill and at their own discretion and risk.

All persons using BPCRS materials must determine the risks associated with the substance depending on the actual conditions of use and should take appropriate measures.

Information given in sections 2, 3, 4, 5, 6, 9, 10, 11, 12 and 13 relates to the bulk substance and is not necessarily relevant to the BPCRS regarding the small quantities contained in vials. Information in sections 1, 7, 8 and 14 applies only to the BPCRS.

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

2,3-DIHYDRO-6-PHENYLIMIDAZO[2,1,b]THIAZOLE BPCRS

Caution! This product is a synthesis by-product and/or a degradation product. Its properties have not been fully investigated. *Information given in this MSDS refers to the parent compound; levamisole hydrochloride.*

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2. HAZARDS IDENTIFICATION

Toxic by inhalation, in contact with skin and if swallowed. May cause irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

C₁₁H₁₀N₂S CAS: Not known

Symbol: T

Risk phrases: R23/24/25,

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin contact: Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

Eyes contact: Immediately flush eyes with copious amounts of water for at least 15 minutes.

Ingestion: Wash out mouth with water provided person is conscious.

In any case seek medical advice and call the nearest poison centre.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing and respiratory protection. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
Ventilate and wash area with water/detergent.

7. HANDLING AND STORAGE

Handling: Approved respirator. Chemical safety goggles. Rubber gloves. Use only in chemical fume hood. Safety shower and eye-bath.
Do not breathe dust. Do not get in eyes, on skin, on clothing.
Storage: Protect from light. Keep tightly closed. Store in a cool dry place. Keep unopened in the original container at about 2-8°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Wear suitable protective clothing and respiratory protection. Wear chemical safety goggles. Wear gloves. Use only in a chemical fume hood. Ensure safety shower and eye-bath is available. Do not breathe dust. Do not get in eyes, on skin, on clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder.
Melting point: 230-233°C
Solubility: freely soluble in water, soluble in alcohol, slightly soluble in methylene chloride, practically insoluble in ether.
pH: 3.0-4.5
 α_D^{20} : -121° to -128°.

10. STABILITY AND REACTIVITY

Incompatibilities: Strong oxidising agents.
Hazardous combustion or decomposition products: CO_x, NO_x, SO_x, HCl.

11. TOXICOLOGICAL INFORMATION

RTECS No: NJ5960000
LD50 (oral-rat): about 180 mg/kg.
See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Incinerate in an approved facility.
Observe all federal state and local environmental regulations.

14. TRANSPORT INFORMATION

UN 2811 – Class 6.1 – PG III

15. REGULATORY INFORMATION

EINECS No: 240-654-6
T, R23/24/25, S45, S36/37/39.

16. OTHER INFORMATION

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection