

BRITISH PHARMACOPOEIA CHEMICAL REFERENCE SUBSTANCE

MATERIAL SAFETY DATA SHEET

Last revised: 29th August 2008

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

1-METHYL-3-[2-(5-METHYLIMIDAZOL-4-YL-METHYLTHIO)ETHYL]GUANIDINE DIHYDROCHLORIDE 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; cimetidine.*

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Reference standard for laboratory use.

2. HAZARDS IDENTIFICATION

Avoid inhalation. Avoid contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

C₁₀H₁₆N₆S CAS: Not known

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: Call a physician. 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 conditions.

6. ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal.
Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

7. HANDLING AND STORAGE

Handling: Approved respirator. Compatible chemical-resistant gloves. Chemical safety goggles.
Mechanical exhaust required. Safety shower and eye-bath. Avoid inhalation. Avoid contact with eyes, skin and clothing.
Avoid prolonged or repeated exposure. Wash thoroughly after handling.
Storage: Protect from light. Keep tightly closed. Store in a cool dry place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Refer to section 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder.
Solubility: Slightly soluble in water, soluble in alcohol, practically insoluble in ether and in methylene chloride. It dissolves in dilute mineral acids.
Melting point: 139-144°C,

10. STABILITY AND REACTIVITY

Incompatibilities: Strong oxidising agents.
Hazardous combustion or decomposition products: COx.

11. TOXICOLOGICAL INFORMATION

RTECS No: MF0035500 (cimetidine)
LDLO (IVN-woman): about 1008 mg/kg/6W-l.
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

Not applicable.

15. REGULATORY INFORMATION

EINECS No: 257-232-2 (cimetidine)

16. OTHER INFORMATION