



Humco Holding Group, Inc.  
7400 Alumax Dr  
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800-662-3435  
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www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300

All non-emergency calls should be directed to  
Customer Service at 800-662-3435

NAME: CIMETIDINE, USP

SDS NO. 8079

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Cimetidine, USP

**Synonyms:** N-cyano-N''-methyl-N'-[2-[[[(4-methyl-1H-imidazol-5-yl)methyl]thio]ethyl]-guanidine

**Recommended Use:** Active Pharmaceutical Ingredient

**Manufacturer by:** Humco Holding Group, Inc.

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Serious Eye Damage/Eye Irritation, Category 1
<b>Signal Word:</b>	Danger
<b>Hazard Statements:</b>	Causes serious eye damage.
<b>Precautionary Statements</b>	Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face. Do not eat, drink or smoke when using this product.

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
CIMETIDINE, USP	51481-61-9

#### 4. FIRST-AID MEASURES

**General information:** Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.

**After inhalation:** Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.  
Seek medical treatment.

**After swallowing:** Seek medical treatment.  
Rinse out mouth with water and drink half a liter of water, if affected person is fully conscious.

**Information for doctor:**

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

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

Water spray

Carbon Dioxide

Fire-extinguishing powder

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.

Wear fully protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

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

**Methods and material for containment and cleaning up:** Pick up mechanically. Dispose of the material collected according to regulations.

## 7. HANDLING AND STORAGE

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to an approved waste disposal plant.

Prevent formation of dust. Prevent formation of aerosols.

#### Information about fire-and explosion protection:

Keep ignition sources away- Do not smoke. Protect against electrostatic charges.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid (Crystalline)	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	odorless	<b>Vapor Pressure</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>pH:</b>	No data available	<b>Relative Density:</b>	No data available
<b>Melting point /Freezing Point:</b>	139-144 °C	<b>Solubilities:</b>	No data available
<b>Boiling point/range:</b>	No data available	<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Flash point</b>	No data available	<b>Auto-ignition temperature</b>	No data available
<b>Evaporation rate</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Flammability:</b>	Product is not flammable	<b>Viscosity</b>	Not applicable

## 10. STABILITY AND RACTIVITY

### Possibility of hazardous reactions

Reacts with strong oxidizing agents.

Reacts with acids.

Reacts with alkali (lyes).

Reacts with water and strong reducing agents.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity- LD50 Oral</b>	Oral LD50 (rat): 5 gm/kg; Intraperitoneal LD50 (rat): 328 mg/kg; Oral LD50 (mouse): 2550 mg/kg; Intraperitoneal LD50 (mouse): 306 mg/kg;;
<b>Acute Toxicity-Inhalation</b>	No data available
<b>Acute Toxicity- Dermal</b>	Subcutaneous LD50 (rat): 860 mg/kg; Subcutaneous LD50 (mouse): 437 mg/kg
<b>Acute Toxicity- Eye</b>	No data available
<b>Chronic effects in humans</b>	No data available

**12. ECOLOGICAL INFORMATION**

<b>Toxicity</b>	Aquatic toxicity – Data not available
<b>Persistence and degradability</b>	Data not available
<b>Bioaccumulation potential</b>	Data not available
<b>Mobility in soil</b>	Data not available
<b>Other Adverse Effects</b>	Data not available

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

**14. TRANSPORT INFORMATION**

<b>DOT Hazard Classification:</b>	Not hazardous material
<b>UN number:</b>	N/A
<b>UN proper shipping name:</b>	N/A
<b>Transport hazard class(es):</b>	N/A
<b>Packing group:</b>	N/A

**15. REGULATORY INFORMATION**

Not determined

**16. OTHER INFORMATION**

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