Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Cimetidine USP
Commercial Name Not available
Product Use Not available
Restrictions On Use Not available

Product Code 30-2750

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not available.

Signal Word WARNING

Hazard Statement(s) Suspected of causing cancer. Suspected of damaging fertility.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention P201 - Obtain special instructions before us. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection, protective gloves, face protection.

Response P308+P313 - IF exposed or concerned: Get medical advice/attention.

Storage P405 - Store locked up.

Disposal P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Cimetidine
% By Weight 100
CAS# 51481-61-9
Molecular Weight Not available
Chemical Formula C10H16N6S
Synonym(s) ACIBILIN * ACINIL * CIMAL * CIMETAG * CIMETIDINE * CIMETUM * N-CYANO- N'-METHYL-N"-(2-(((5-METHYL-1H-IMIDAZOL-4-YL)METHYL)THIO)ETHYL) GUANIDINE * 1-CYANO-2-METHYL-3-(2-(((5-METHYL-4-IMIDAZOLYL)METHYL) THIO)ETHYL)GUANIDINE * 2-CYANO-1-METHYL-3-(2-(((5-METHYLIMIDAZOL-4-YL) METHYL)THIO)ETHYL)GUANIDINE * DYSPAMET * EDALENE * EURECEPTOR * FPF 1002 * GASTROMET * METRACIN * PEPTOL * SKF 92334 * TAGAMET * TAMETIN TRATUL * ULCEDINE * ULCIMET * ULCOFALK * ULCOMEDINA * ULCOMET * ULHYS * VALMAGEN * VENOPEX *

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Cimetidine	51481-61-9	100	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. 2550 mg/kg [Mouse].

Section 4: First-Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Symptoms/Effects	
Acute	Not available
Delayed	Not available

Immediate Medical Attention

Treatment of histamine H2-receptor antagonist overdose should be symptomatic and supportive and may include the following: Administer activated charcoal as a slurry. Perform gastric lavage if ingestion was within four hours. For severe agitation, treat with small incremental doses of intravenous diazepam. For seizures, administer a benzodiazepine intravenously, followed by phenobarbital or propofol if the seizures recur. Monitor for hypotension, dysrhythmias, respiratory depression, and need for endotracheal intubation. Evaluate for hypoglycemia, electrolyte disturbances, hypoxia. Monitor ECG in patients with cardiac abnormalities. For bradycardia, administer atropine. For ventricular arrhythmias, administer lidocaine. (Meditext)

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2

Unsuitable Extinguishing Media

Not available.

Products of Combustion

No unusual fire or explosion hazards noted.

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment. Methods and materials for containment and cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	TWA 500 micrograms/m3
Engineering Controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures.

Personal Protection	Eye/face protection: Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area. Skin protection Hand protection: Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. Other: For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination. Respiratory protection: Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134). Thermal hazards: Not available. General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	White to off-white crystalline powder Solid.
Odor	Odorless or light mercaptan odor
Odor Threshold	Not available

Melting Point	282.2 - 291.2 °F (139 - 144 °	**pH**	Not available
Freezing Point	Not available	**Vapor Pressure**	Not available
Boiling Point/Range	Not available	**Vapor Density**	Not available
Decomposition temperature	Not available	**Viscosity**	Not available
Partition Coefficient: n-octanol/water	0.4	**Evaporation Rate**	Not available
Flash Point	Not available	**Autoignition temperature**	Not available
Flammability	Non combustible	**Flammability or Explosive Limits:**	
		Lower	Not available
		Upper	Not available

Solubility(ies)	Slightly soluble in chloroform; soluble in ethanol and in polyethylene glycol 400; practically insoluble in ether; sparingly soluble in isopropanol; freely soluble in methanol.
Other	Chemical family Imidazole. Molecular formula C10-H16-N6-S Molecular weight 252.34

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	No dangerous reaction known under conditions of normal use
Conditions to Avoid	Not available
Incompatible Materials	Not available.
Hazardous Decomposition Products	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

Section 11: Toxicological Information

RTECS MF0035500

Acute Toxicity
Acute Oral LD50 Rat 5000 mg/kg

Skin Corrosion/Irritation
Not available

Serious Eye Damage/Irritation
Not available

Respiratory or Skin Sensitization
Not available

Germ Cell Mutagenicity
Not available

Carcinogenicity
Not available

Reproductive Toxicity
Not available.

Routes of Entry
Not available

Symptoms Related to Exposure
For histamine H2-receptor antagonists: Nausea. Vomiting. Diarrhea. Constipation. Abdominal pain. Muscle or joint pain. Loss of appetite. Skin rash or itching. Headache. Dizziness. Difficulty breathing. Fever. Sore throat. Hair loss. Trouble sleeping. Tiredness. Weakness. Drowsiness. Confusion. Agitation. Decreased sexual desire. Swelling or soreness of the breasts (males and females)
Potential Health Effects
For histamine H2-receptor antagonists: Porphyria. Active alcoholism. Liver impairment. Kidney impairment. Immune system disorders. Cardiac rhythm disturbances
Target Organ(s) Delayed: For histamine H2-receptor antagonists: Abnormal heartbeat. Psychosis. Blood disorders.

Section 12: Ecological Information

Ecotoxicity
Not available

Persistance and Degradability
Not available

Bioaccumulative Potential
Not available

Mobility in Soil
Not available

Other Adverse Effects
Not available

Section 13: Disposal Considerations

Waste Disposal
Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)
Disposal of Container
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
Other Considerations
Not available

Section 14: Transport Information

DOT Classification
DOT Not regulated as a hazardous material by DOT.

Section 15: Regulatory Information

Regulations
US federal regulations CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance No SARA 311/312 Hazardous chemical No Other federal regulations Safe Drinking Water Act (SDWA) Not regulated. Food and Drug Administration (FDA) Not regulated. US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other
Not available.

Section 16: Other Information

Not available.