Safety Data Sheet

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

Section 1: Identification

Product Name Vancomycin Hydrochloride USP
Commercial Name Not available.
Product Use Antibiotic.
Restrictions On Use Not available.

Product Code 30-1742

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 Skin Sensitization, Category 1

Signal Word WARNING

Hazard Statement(s) May cause an allergic skin reaction-H317.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Not available.

Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Vancomycin HCl
% By Weight 100
CAS# 1404-93-9
Molecular Weight 1485.73 g/mole
Chemical Formula C66H75Cl2N9O24.HCl
Synonym(s) Vancocine hydrochloride * Vancocin hydrochloride

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Vancomycin HCl	1404-93-9	100	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Mouse].

Section 4: First-Aid Measures

Inhalation	Move individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide artificial respiration assistance (mouth-to-mouth) and call a physician immediately.
Skin Contact	Remove contaminated clothing and clean before reuse. Wash all exposed areas of skin with plenty of soap for 15 minutes with plenty of water. Get medical attention if irritation or rash develops.
Eye Contact	Flush eyes for 15 minutes with plenty of water. Get medical attention immediately
Ingestion	Do not induce vomiting. Call a physician or poison control center. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician
Symptoms/Effects	
Acute	Eyes, Skin and Inhalation: Irritation. Ingestion Exposure: Is generally not considered harmful.
Delayed	Eyes, Skin and Inhalation: Irritation. Ingestion Exposure: Is generally not considered harmful.

Immediate Medical Attention

In case of discomfort or unconsciousness: Show this safety data sheet to a physician or emergency ward. ANTIDOTE INFORMATION: No specific antidote available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water, carbon dioxide, dry chemical, foam, or other alternatives.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Oxides of carbon and nitrogen and corrosive hydrogen chloride. Emits toxic fumes under fire conditions.

Firefighters Special Equipment and Precautions

No applicable information identified. Use water spray to cool fire-exposed containers and structures. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY RESPONSE: Wear personal protective equipment to avoid exposure – see section 8. Avoid generation of dust. ENVIRONMENTAL PRECAUTIONS: Water spill: Do not empty into drains. Land spill: Vacuum material with appropriate dust collection in place. Be aware of potential for dust explosion when using electrical equipment. If a vacuum is not available, lightly mist material and remove by sweeping or wet wiping. Wear appropriate equipment including eye protection, to avoid exposure. Release notes: If the spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. In the USA, contact the USA Coast Guard National Response Center toll free 800 424 8802. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Contain dry material by lightly misting with water, followed by sweeping carefully so as not to generate dust, or vacuuming. Ensure the vacuum is fitted with an appropriate dust filter so dust is not re-introduced into the air. Be aware of the potential for dust explosion when using electrical equipment.

Section 7: Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Engineering controls are recommended to ensure adequate ventilation such that exposures do not exceed 0.1 mg/m3 for a 12-hour exposure (TWA); see Section 8; OEL. With adequate ventilation, respiratory protection may not be needed. In the absence of adequate ventilation, suitable respiratory protection is required. The need for additional personal protective equipment including respirators, eye, and skin protection should be based on a job-specific risk assessment. Additional personal protective equipment may include chemical-resistant gloves and body covering, goggles, and face shield. Adequate eye protection is always required. Work hygienic practices: Facilities storing or using this material should be equipped with an emergency eyewash and safety shower. Good personal hygiene practices should always be followed. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Keep dry, and away from sources of ignition. Below 8oC (46oF).

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	If dust is generated, provide local exhaust ventilation to control airborne levels below the OEL listed above.

Personal Protection	Eyes and face: Wear safety glasses with side shields or goggles as appropriate when handling this material. Skin: Chemical resistant gloves (nitrile or latex) and body covering. Respiratory: Use an approved respirator suitable to provide level of protection required. Comments: This product is not specifically listed by OSHA as hazardous. However, this material may cause sensitization or an allergic response with minimal exposure. Under conditions of overexposure, the material may be hazardous.

Section 9: Physical and Chemical Properties

Appearance	Solid. Powder Color: White to off-white.
Odor	Odorless.
Odor Threshold	Not relevant.

Melting Point	Decomposes.	**pH**	2.5 -4.5 (5% aqueous solution)
Freezing Point	Not available.	**Vapor Pressure**	Not applicable.
Boiling Point/Range	Not available.	**Vapor Density**	Not available.
Decomposition temperature	Not available.	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	Not available.	**Evaporation Rate**	Not available.
Flash Point	Not available.	**Autoignition temperature**	Not available.
Flammability	Not available.	**Flammability or Explosive Limits:**	
		Lower	Not available.
		Upper	Not available.

Solubility(ies)	Freely soluble in water.
Other	Not available.

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable at normal temperatures and pressures.
Hazardous Polymerization	Not available.
Conditions to Avoid	Avoid heat, moisture, and sunlight.
Incompatible Materials	May react with strong oxidizing agents (e.g. peroxides, permanganates, nitric acid, etc.)
Hazardous Decomposition Products	If heated to very high temperatures, the product may form hazardous decomposition products such as oxides of carbon and nitrogen and corrosive hydrogen chloride.

Section 11: Toxicological Information

RTECS YW4380000

Acute Toxicity

Acute dermal LD50: > 500 mg/kg [Rabbit] ; no deaths or toxicity Acute oral LD50: > 5000 mg/kg [Rat (non- toxic)] ; leg weakness, diarrhea Acute inhalation LC50: > 3080 mg/m3 [Rat (1 hour)] ; no deaths, increased activity. Eye effects: irritant (Rabbit) Skin effects: irritant (rabbit) Sensitization: Sensitizer (human) Target organs: Nervous system, heart, blood, kidney, and digestive system. Carcinogenicity: Listed by IARC: No. Listed by NTP: No. Listed by OSHA: No. Mutagenicity: Negative Reproductive effects: No applicable information found. Teratogenic effects: Negative in rats and rabbits.

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Negative (in-vitro mouse lymphoma forward mutation assay; rat hepatocyte unscheduled DNA synthesis; in-vivo Chinese hamster sister chromatid exchange and mouse micronucleus assay)

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry
Eye contact. Inhalation. Ingestion. Skin Absorption: May be harmful if absorbed through the skin.

Symptoms Related to Exposure
Not available.

Potential Health Effects
Not available.

Target Organ(s) Nervous system, heart, blood, kidney, and digestive system.

Section 12: Ecological Information

Ecotoxicity
Not available.

Persistance and Degradability
Not available.

Bioaccumulative Potential
Not available.

Mobility in Soil
The substance is not considered PBT /vPvB according to criteria in Annex XIII.

Other Adverse Effects
The substance is possibly harmful for the aquatic environment, due to is antibiotic properties.

Section 13: Disposal Considerations

Waste Disposal
Dispose of any cleanup materials and waste residue according to applicable laws and regulations.

Disposal of Container
Not available.

Other Considerations
Not available.

Section 14: Transport Information

DOT Classification
Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations
Superfund Amendments and Reauthorization Act (SARA) Title III 311/312 hazard categories: Fire: No Pressure generating: No Reactivity: No Acute: Yes Chronic: No 313 Reportable Ingredients: Not listed. Title III notes: Comprehensive Response, Compensation, and Liability Act (CERCLA) CERCLA RQ: Not listed Toxic Substances Control Act (TSCA) TSCA Regulatory: Not listed. National Response Center: US Coast Guard National Center Response Telephone number is 800 424 8802. UNITED STATES STATE REGULATIONS California Proposition 65: Not listed.

Other
Not available.

Section 16: Other Information

Disclaimer: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses that infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.