



## Safety Data Sheet

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

Doxycycline HCl (HYCLATE)

30-3129

### Section 1: Identification

**Product Name** Doxycycline HCl (HYCLATE)

**Commercial Name** Not available.

**Product Use** Not available.

**Restrictions On Use** Not available.

**Product Code** 30-3129

**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:** Acute toxicity-oral Category 4; Eye irritation, Category 2; Skin irritation, Category 2 Specific Target Organ  
**CFR 1910.1200** Toxicity (single exposure), Category 3

**Signal Word** WARNING

**Hazard Statement(s)** Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

<b>Prevention</b>	P261: Avoid breathing dust. P280: Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P301 + P312: IF SWALLOWED: Call a POISON Center or doctor/physician if you feel unwell.
<b>Storage</b>	Not available
<b>Disposal</b>	Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance

**Components** Doxycycline HCl (HYCLATE)

**% By Weight** 100

**CAS#** 24390-14-5

**Molecular Weight** 512.94g/mol

**Chemical Formula** (C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub> · HCl)<sub>2</sub> · C<sub>2</sub>H<sub>6</sub>O · H<sub>2</sub>O

**Synonym(s)** Doxycycline hydrochloride hemiethanolate hemihydrate; Biocaymycin; Doxigalmunicina.

**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Doxycycline HCl (HYCLATE)	24390-14-5	100	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
<b>Skin Contact</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs, get medical advice/attention.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth
<b>Symptoms/Effects</b>	
<b>Acute</b>	Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and redness. Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Inhalation: Absorption through the lungs can cause symptoms similar to those of ingestion.
<b>Delayed</b>	Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and redness. Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Inhalation: Absorption through the lungs can cause symptoms similar to those of ingestion.

**Immediate Medical Attention**

Not available.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Thermal decomposition can lead to release of irritating or toxic gases/vapors: carbon oxides, nitrogen oxides

**Firefighters Special Equipment and Precautions**

Wear self-contained breathing apparatus and protective clothing. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Refer to SECTION 8 for personal protective equipment. Prevention of skin and eye contact. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Environmental precautions: Do not discharge into drains/surface waters/groundwater. Methods and material for containment and cleaning up: Wear dust respirator and rubber gloves. Sweep up, avoiding dust generation. Place in appropriate container for disposal.

**Section 7: Handling and Storage**

Handling: Wear protective gloves/clothing and eye/face protection. Do not get in eyes, on skin, or on clothing. Avoid creation of dust. Avoid breathing dust. Use this material with adequate ventilation. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Do not eat, drink, or smoke when using this product. Take off contaminated clothing and wash before re-use. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Storage: Keep container tightly closed and in a cool, well-ventilated place. Keep away from heat and ignition sources. Store away from oxidizing agents.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Provide local exhaust or process enclosure ventilation system.
<b>Personal Protection</b>	Eye and face protection: Wear protective eye/face protection. Skin protection: Wear protective gloves/clothing to prevent contact. Respiratory protection: In case of inadequate ventilation wear respiratory protection. Environmental exposure controls: Do not empty into drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Yellow Solid		
<b>Odor</b>	Odorless		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	206-209°C	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Soluble in water, methanol. Sparingly soluble in ethanol. Insoluble in chloroform and ether		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Stable under recommended storage and handling conditions. Sensitive to light.
<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Flames, sparks, and other sources of ignition. Direct sunlight
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides, nitrogen oxides

**Section 11: Toxicological Information****RTECS** Not available.**Acute Toxicity**

Acute toxicity: (Doxycycline with CAS 564-25-0) Oral: LD50 = 1700 mg/kg (rats); Inhalation: No information available; Dermal: No information available.

**Skin Corrosion/Irritation**

Causes skin irritation.

**Serious Eye Damage/Irritation**

Causes serious eye irritation.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Ingestion. Eye, Skin.

**Symptoms Related to Exposure**

Not available.



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### Potential Health Effects

Not available.

**Target Organ(s)** May cause respiratory irritation - single exposure.

### Section 12: Ecological Information

#### Ecotoxicity

Not available.

#### Persistence and Degradability

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

#### Bioaccumulative Potential

Not available.

#### Mobility in Soil

Not available.

#### Other Adverse Effects

Not available.

### Section 13: Disposal Considerations

#### Waste Disposal

Disposal must be made according to local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal

#### 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

Not available.

#### Other

Not available.

### Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Changzhou pharmaceutical be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Changzhou pharmaceutical has been advised of the possibility of such damages.