



## Safety Data Sheet

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

Dyclonine Hydrochloride USP

30-1748

### Section 1: Identification

**Product Name** Dyclonine Hydrochloride USP  
**Commercial Name** Not Available.  
**Product Use** Not Available.  
**Restrictions On Use** Not Available.

**Product Code** 30-1748

**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 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation  
**CFR 1910.1200** Category 2A

**Signal Word** DANGER

**Hazard Statement(s)** Toxic if swallowed.; Causes skin irritation; Causes serious eye damage.

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



**Precautionary Statement(s):**

**Prevention** Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.  
**Response** If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. 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. Take off contaminated clothing and wash before reuse.  
**Storage** Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Dyclonine Hydrochloride USP  
**% By Weight** 100  
**CAS#** 536-43-6  
**Molecular Weight** 325.92 g/mole  
**Chemical Formula** C18H27NO2.HCL  
**Synonym(s)** 4-N-BUTOXY-BETA-(1-PIPERIDYL)PROPIOPHENONE HYDROCHLORIDE \*  
4'-BUTOXY-3-PIPERIDINOPROPIOPHENONE HYDROCHLORIDE \* C 5422 \* DICLONIA \*  
DYCLOCAINUM \* DYCLONE HYDROCHLORIDE \* DYCLONINE HYDROCHLORIDE DYCLOTHANE \*  
P-267 \* PIPERIDINE, 1-(2-(4-BUTOXYBENZOYL)ETHYL), HYDROCHLORIDE \* 1-PROPANONE, 1-(4-BUTOXYPHENYL)-3-(1-PIPERIDINYL)-, HYDROCHLORIDE \* S 154 \* TANACLONE \*

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Dyclonine Hydrochloride USP	536-43-6	100	Not available.	ORAL (LD50):Acute: 240mg/kg [Rabbit].



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### Section 4: First-Aid Measures

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.

#### Immediate Medical Attention

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### Section 5: Fire-Fighting Measures

#### Suitable Extinguishing Media

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

#### Unsuitable Extinguishing Media

Not available

#### Products of Combustion

These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), Hydrogen Chloride gas.

#### Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary.

### Section 6: Accidental Release Measures

**LARGE SPILL:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. **SMALL SPILL:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### Section 7: Handling and Storage

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Keep container tightly closed in a dry and well-ventilated place.

### Section 8: Exposure Controls/Personal Protection

<b>Exposure Limits</b>	Contains no substances with occupational exposure limit values.
<b>Engineering Controls</b>	Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit
<b>Personal Protection</b>	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



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### Section 9: Physical and Chemical Properties

<b>Appearance</b>	White crystalline solid.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	173 to 178°C	<b>pH</b>	Between 4-7
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not applicable.
<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, in acetone, in alcohol, and in chloroform.		
<b>Other</b>	Dispersion Properties: See solubility in water.		

### Section 10: Stability and Reactivity

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	The product is stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Not available.
<b>Incompatible Materials</b>	Not available.
<b>Hazardous Decomposition Products</b>	Carbon oxides, nitrogen oxides (NO <sub>2</sub> ), Hydrogen chloride gas

### Section 11: Toxicological Information

**RTECS** UG8750000

#### Acute Toxicity

Acute oral toxicity (LD<sub>50</sub>): 240 mg/kg [Rabbit]. Chronic Effects on Humans: May cause damage to the following organs: Gastrointestinal tract, central nervous system (CNS), endothelium. Other toxic effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant) Chronic Exposure: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### 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.



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### Reproductive Toxicity

Not available.

### Routes of Entry

Absorbed through skin. Eye contact. Inhalation. Ingestion.

### Symptoms Related to Exposure

Not available.

### Potential Health Effects

Not available.

### Target Organ(s)

Not available.

## Section 12: Ecological Information

### Ecotoxicity

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are less toxic than the product itself.

### Persistence and Degradability

Not available.

### Bioaccumulative Potential

Not available.

### Mobility in Soil

Not available.

### Other Adverse Effects

Not available.

## Section 13: Disposal Considerations

### Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Disposal of Container

Disposed of as unused product.

### 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

OSHA Hazards: Target Organ Effect, Toxic by ingestion, Irritant DSL Status: All components of this product are on the Canadian DSL list. SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Acute health hazard, Chronic health hazard. California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive effects.

### Other

WHMIS (Canada);DSCL (EEC) R22- Harmful if swallowed. R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

## Section 16: Other Information



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All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Syntec Pharma Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.