

**Section 1: Identification**
**Product Name** Clonidine Hydrochloride USP

**Commercial Name** Not available.

**Product Use** Not available

**Restrictions On Use** Not available

**Product Code** 50-2379

**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), H301 Acute toxicity, Inhalation (Category 1), H330

**CFR 1910.1200**
**Signal Word** DANGER

**Hazard Statement(s)** Toxic if swallowed. Fatal if inhaled.

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

**Precautionary Statement(s):**

<b>Prevention</b>	P260 Do not breathe dust/fume/gas/mist/vapours/spray P284 Wear respiratory protection
<b>Response</b>	P301+ P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P310 Immediately call a POISON CENTER or doctor/physician
<b>Storage</b>	Not available
<b>Disposal</b>	Not available.

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Substance
<b>Components</b>	Clonidine Hydrochloride
<b>% By Weight</b>	100
<b>CAS#</b>	4205-91-8
<b>Molecular Weight</b>	266.56 g/mole
<b>Chemical Formula</b>	C9H9Cl2N3.HCl
<b>Synonym(s)</b>	2,6-Dichloro-N-2-imidazolidinylidenebenzenamine hydrochloride

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Clonidine Hydrochloride	4205-91-8	100	N/A	ORAL (LD50): Acute: 126 mg/kg [Rat]. 80 mg/kg [Rabbit]. 30 mg/kg [Dog].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If inhaled: Remove casualty to fresh air. If breathing is difficult, give oxygen if possible, or assisted ventilation.
<b>Skin Contact</b>	In case of skin contact: Wash affected area with copious amount of water. Remove contaminated clothing. Wash contaminated clothing separately before reuse
<b>Eye Contact</b>	Irrigate eyes with copious amounts of water for at least 10-15 min.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person and if not authorized by the physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	This product is toxic causing poisoning by inhalation, skin absorption and ingestion. Poisoning by inhalation of the product may present with different symptoms that may include burning and irritation to the eyes, mouth, nose, throat, cough, difficulty breathing, dizziness, headache, nausea and vomiting. In the most serious cases, inhalation may cause inflammation and swelling of the larynx and bronchi, chemical pneumonitis and pulmonary edema, increased or decreased heart rate, blood, saliva or sputum, loss of consciousness, behavioral disturbances (depression or euphoria). Poisoning by skin contact may occur with symptoms that may include an increase in skin temperature, swelling, itching, headache, breathing problems and sometimes caustic burns. Even small amounts may cause serious health problems, symptoms may include the following: burns or injury to the mouth, throat, nausea, abdominal pain, vomiting, diarrhea, excessive sweating, convulsions, unconsciousness.
<b>Delayed</b>	Not available.

**Immediate Medical Attention**

Immediately call a POISON CENTER or doctor/physician for all cases of contact. Induce vomiting only if indicated by your doctor.

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

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

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

carbon oxides, nitrogen oxides and hydrochloric acid.

**Firefighters Special Equipment and Precautions**

Equipment: wear self contained breathing apparatus for firefighting.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Keep non-involved personnel away from the area of spillage. Avoid the generation and spreading of dust. Ventilate area. Eliminate sources of ignition. Avoid contact with skin, eyes and inhalation of dust. Respiratory protection: Avoid inhalation of dust, respiratory protection: dust mask with filter type FFP3 (EN 149). Eye protection: Wear safety goggles (EN 166). Skin protection: Use rubber or synthetic gloves (EN 374). Ensure the availability of equipment for cooling the vessels, to prevent the danger of overheating in the event of a fire nearby. Environmental precautions: Prevent product from entering sewers, rivers or other bodies of water. If required, notify relevant authorities according to all applicable regulations. Methods and material for containment and cleaning up: Collect free product with suitable mechanical means. Avoid creating dust by spraying the product with water, if there is no contraindication. Wash the spill area with water. Transfer the gathered product and the washings to suitable tanks or containers and store/dispose according to relevant regulations.

**Section 7: Handling and Storage**

Precautions for safe handling: Use of personal protective equipment must be consistent with good occupational hygiene practices. Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not reuse contaminated clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly with soap and water before meals and after work shift. Conditions for safe storage: The product is stable under normal conditions of use and storage. Keep away from moisture, including any incompatibilities heat/sparks/open flames/hot surfaces.

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

**Exposure Limits** Not available.

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**Engineering Controls**

When feasible, use closed loop systems or with local exhaust. When inside buildings or confined spaces, ensure adequate ventilation.

**Personal Protection**

Eye / Face Protection: Wear safety goggles (EN 166). Skin Protection: Use rubber or synthetic gloves (EN 374). gloves must be inspected prior to use. use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. dispose of contaminated gloves after use in accordance with applicable laws. wash and dry hands. Respiratory Protection: Avoid inhalation of dust, respiratory protection: dust mask with filter type FFP3 (EN 143). Heat Dangers: The product is not handled hot. Environmental: Use according to good manufacturing practices avoiding litter. Take all the technical precautions necessary to prevent the spread of the product into the surrounding.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White Solid.		
<b>Odor</b>	Odorless		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	Not available.	<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 (1g in 6 ml of water at 60 °C and 13 ml at 20 °C). Soluble in chloroform, slightly soluble in alcohol, insoluble in ether.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	The substance does not present additional dangers of reactivity than those reported in the next subtitle.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Heat
<b>Incompatible Materials</b>	Strong Oxidizing agents
<b>Hazardous Decomposition Products</b>	When heated or in the event of a fire, vapors may be harmful to health: carbon oxides, nitrogen oxides and hydrochloric acid.

**Section 11: Toxicological Information**
**RTECS** NJ2490000

**Acute Toxicity**

Not available.

**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**

Reproductive toxicity - rat - oral maternal effect: ovaries, fallopian tubes Reproductive toxicity - mammal - subcutaneous effect on newborn: growth statistics (e.g., reduced weight gain) Development toxicity - domestic animals - intravenous specific development abnormalities: cardiovascular (circulatory) system

**Routes of Entry**

The resulting product is toxic poisoning by inhalation, skin absorption and ingestion. Even small amounts may cause serious health problems

**Symptoms Related to Exposure**

burns or injury to the mouth, throat, nausea, abdominal pain, vomiting, diarrhea, excessive sweating, convulsions, unconsciousness.

**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available

**Section 12: Ecological Information****Ecotoxicity**

Use according to good manufacturing practices, avoid dispersion into the environment. Notify relevant authorities according to all applicable regulations if the product can reach waterways or sewers or contaminate soil or vegetation

**Persistence and Degradability****Bioaccumulative Potential**

Not available

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

Prevent environmental discharge. Dispose of waste or used sacks/containers according to local regulations.

**Disposal of Container**

Not available

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

CLASS 6.1: Poisonous material. Not available. : Toxic solid, organic, n.o.s. (Clonidine Hydrochloride) : UN2811 PG: III

**Section 15: Regulatory Information****Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA)	Hazard Categories: Immediate Hazard - Yes	Delayed Hazard -
No Fire Hazard - No	Pressure Hazard - No	Reactivity Hazard - No
Inventory Name	On inventory (yes/no) Australia	Australian
Inventory of Chemical Substances (AICS)	Yes Canada	Domestic Substances List (DSL)
Yes Canada	Non-Domestic Substances List (NDSL)	No China
Inventory of Existing Chemical Substances in China	No Europe	European Inventory of
Existing Commercial Chemical Substances (EINECS)	Yes Europe	European List of Notified Chemical Substances
(ELINCS)	No Japan	Inventory of Existing and New Chemical Substances (ENCS)
Yes Korea	Existing Chemicals List (ECL)	No New Zealand
New Zealand Inventory	Yes Philippines	Philippine Inventory of
Chemicals and Chemical Substances (PICCS)	No United States &	Toxic Substances Control Act (TSCA) Inventory
No Puerto Rico		

**Other**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).



## Safety Data Sheet

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

Clonidine Hydrochloride USP

50-2379

### Section 16: Other Information

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.