

**Safety Data Sheet**

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

**Section 1: Identification****Product Name** Cyclobenzaprine Hydrochloride USP**Commercial Name** Not available.**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 55-2501**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300****Section 2: Hazard(s) Identification****OSHA Haz Com:** Acute toxicity, oral Category 4 Serious eye damage/eye irritation Category 2A**CFR 1910.1200****Signal Word** WARNING**Hazard Statement(s)** Harmful if swallowed. Causes serious eye irritation.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

<b>Prevention</b>	Wear suitable protective clothing, gloves and eye/face protection. Do not breathe dust.
<b>Response</b>	In case of accident or if you feel unwell, seek medical advice. Immediately (show the label where possible). In case of contact with eye, rinse immediately with plenty of water and seek medical advice.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.

**Section 3: Composition/Information on Ingredients****Substance/Mixture** Substance**Components** Cyclobenzaprine Hydrochloride USP**% By Weight** 100**CAS#** 6202-23-9**Molecular Weight** 311.86 g/mole**Chemical Formula** C<sub>20</sub>H<sub>21</sub>N.HCl**Synonym(s)** 3-(5H-dibenzo(a,d)cyclohepten-5-yl dene)-N,N-dimethyl-1-propanamine hydrochloride**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
1) Cyclobenzaprine HCl	6202-23-9	100	Not available.	ORAL (LD50):Acute: 250mg/kg [Mouse].

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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.
<b>Skin Contact</b>	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
<b>Eye Contact</b>	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
<b>Ingestion</b>	If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	Not available.

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

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Unsuitable Extinguishing Media**

Not available

**Products of Combustion**

Emits toxic fumes under fire conditions.

**Firefighters Special Equipment and Precautions**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental Release Measures**

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Evacuate area.

**Section 7: Handling and Storage**

Not available. Refer to section 8.

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

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Not available.
<b>Personal Protection</b>	Safety shower and eye bath. Use only in a chemical fume hood. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. NIOSH/MSHA-approved respirator. Compatible chemical-resistant goggles. Keep tightly closed. Store in cool dry place.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	216 - 220°C	<b>pH</b>	Not available.
<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>	Not available.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Stable.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Hazardous combustion or decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides; hydrogen chloride gas.
<b>Incompatible Materials</b>	Strong oxidizing agents; hazardous combustion or decomposition products.
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information**
**RTECS** HP0875000

**Acute Toxicity**

LD50 in mice (mg /kg): 250 orally (Metysova) May cause skin irritation. Toxic is absorbed through skin. May cause eye irritation. Toxic if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Toxic if swallowed. May cause allergic reaction. Chronic effects: May cause congenital malformation in the fetus. Behavioral (sleep) Behavioral (somnia) Behavioral (hallucinations, distorted perceptions) Behavioral (convulsions or effect on seizure threshold) Behavioral (ataxia) Behavioral (muscle contraction or spasticity) Behavioral (coma) Behavioral (withdrawal) Behavioral (alteration of operant conditioning) Behavioral (change in psychophysiological tests) Cardiac (other changes) Vascular (bp lowering not characterized in autonomic section) Lungs, thorax or respiration (dyspnea) Lungs, thorax or respiration (cyanosis) Lungs, thorax or respiration (respiratory depression) Paternal effects (spermatogenesis) Effects on embryo or fetus (fetotoxicity) Effects on embryo or fetus (fetal death) Specific developmental abnormalities (central nervous system) Specific developmental abnormalities (craniofacial) Specific developmental abnormalities (body wall) Specific developmental abnormalities (musculoskeletal system) Effects on newborn (stillbirth) Effects on newborn (behavioral)

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

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**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Eye contact. Inhalation. Ingestion. Skin.

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

Not available.

**Target Organ(s)**

Central Nervous System; Heart

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

Not available.

**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**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

**Disposal of Container**

Not available.

**Other Considerations**

Not available.

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

Not a DOT controlled material (United States). Cyclobenzaprine Hydrochloride- DGR cargo with 6.1 classification. is considered non-toxic and non-hazardous for transportation purpose only. It is safe to carry this material by air - cargo, sea or by road cargo

Land Transport ADR/RID ADR/RID Classes 6.1 -Toxic substances Danger Code(Kemler) 60 UN- Number 2811 30/35 kg containers Packaging Group III Label 6.1 Description of Goods 2811 Toxic solid, Organic, N.O.S (Cyclobenzaprine H(I) Limited Quas(LQ) I99 Transport category 2 Tunnel Restriction E code Remarks 251 Maritime Transport INDG: IMDG Class 6.1 Un Number 2811 Label 6.1 Packaging Group III EMS Number FA S-A Marine pollutant No Proper shipping name Toxic solid, Organic, N.A.S (Cyclobenzaprine HCl) Air Transport ICAO -TI and IATA -DGR: ICAO /IATA Class: 6.1 UN /ID Number 2811 Label 6.1 Packaging Group III Proper shipping name Toxic solid, Organic, N.O.S (Cyclobenzaprine H(3) Remarks Packaging Instructions: For limited quantities: Y619 (max 10 kg /pkg) Passenger and cargo aircraft : 619 Max. net qty /pkg. 50 kg This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

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

European information Toxic R 23/24/25: Toxic by Inhalation, in contact with skin and if swallowed. R 36/37/38; Irritating to eyes, respiratory system and skin. R 42/43: May cause sensitization by inhalation and skin contact. R 63: Possible risk of harm to the unborn child. S 45: In case of accident or if you feel unwell, seek medical advice Immediately (show the label where possible). S 26: In case of contact with eyes, rinse Immediately with plenty of water and seek medical advice. S 36/37/39: Wear suitable protective clothing, gloves and eye /face Protection. S 22: Do not breathe dust.

**Other**

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC); DSCL (EEC) R36- Irritating 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**

This Information Is based on our knowledge at the time of Issuing this MSDS. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.