

**Safety Data Sheet**

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

**Section 1: Identification**

**Product Name** Amitriptyline Hydrochloride  
**Commercial Name** Amitriptyline Hydrochloride  
**Product Use** Not available  
**Restrictions On Use** Not available

**Product Code** 30-1603

**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 Tox. 3 H301-Toxic if swallowed. Eye Irrit. 2 H319-Causes serious eye irritation. Repr. 2  
**CFR 1910.1200** H361d-Suspected of damaging the unborn child. Aquatic Acute 1 H400-Very toxic to aquatic life. Aquatic  
Chronic 1 H410-Very toxic to aquatic life with long lasting effects.

**Signal Word** DANGER

**Hazard Statement(s)** Toxic if swallowed., in contact with skin or if inhaled. Causes serious eye damage. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life with long lasting effects.

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



**Precautionary Statement(s):**

**Prevention** P201-Obtain special instructions before use. P273-Avoid release to the environment. P280-Wear protective gloves / protective clothing / eye protection / face protection.  
**Response** P301+P330+P331-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P308+P313-IF exposed or concerned: Get medical advice / attention  
**Storage** Not available  
**Disposal** Not available.

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

**Substance/Mixture** Substance  
**Components** Amitriptyline hydrochloride  
**% By Weight** 100  
**CAS#** 549-18-8  
**Molecular Weight** 313.87 g/mole  
**Chemical Formula** C20H24ClN  
**Synonym(s)** 3-(10,11-Dihydro-5H-dibenzo[a,d]cy lohepten-5-ylidene-N,N-dimethyl-1 ropananime hydrochloride

<b>Mixtures</b>				
<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Amitriptyline hydrochloride	549-18-8	100	Not available.	ORAL (LD50):Acute: 140mg/kg [Mouse].240 mg/kg [Rat].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. Respiratory arrest - Artificial respiration apparatus necessary.
<b>Skin Contact</b>	Wash thoroughly using copious water - remove contaminated clothing immediately and call a doctor. Have Data Sheet available.
<b>Eye Contact</b>	Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
<b>Ingestion</b>	Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately. Immediate admittance to a hospital. Keep Data Sheet available.
<b>Symptoms/Effects</b>	
<b>Acute</b>	If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.
<b>Delayed</b>	If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

**Immediate Medical Attention**

Symptomatic treatment. Decontamination Elementary aid

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

Water jet spray/foam/CO2/dry extinguisher

**Unsuitable Extinguishing Media**

High volume water jet

**Products of Combustion**

Oxides of carbon Oxides of nitrogen Hydrogen chloride

**Firefighters Special Equipment and Precautions**

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

**Section 6: Accidental Release Measures**

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition. Avoid dust formation with solid or powder products. Leave the danger zone if possible, use existing emergency plans if necessary. Do not take any measures that are associated with personal risk or have not been sufficiently trained. Keep unprotected persons away. Ensure sufficient supply of air. Avoid build up of dust. Remove possible causes of ignition - do not smoke. Avoid inhalation, and contact with eyes or skin. For emergency responders: See section 8 for suitable protective equipment and material specifications. Environmental precautions: If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities. Methods and material for containment and cleaning up: Pick up mechanically and dispose of according to Section 13. Collect spilled material with a dust-trapping sweeping agent or a suitable vacuum cleaner. As a precaution, douse dust with water.

**Section 7: Handling and Storage**

General recommendations: Ensure good ventilation. Avoid build up of dust. If applicable, suction measures at the workstation or on the processing machine necessary. Remove possible causes of ignition - do not smoke. Take measures against electrostatic charging, if appropriate. Avoid contact with eyes or skin. Pregnant women should avoid contact with this product. Handle and open container with care. Separate storage of protective clothing. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions. Notes on general hygiene measures at the workplace: General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed. Conditions for safe storage, including any incompatibilities: Keep locked away. Keep out of access to unauthorised individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Do not store with oxidizing agents. Store in a well ventilated place. Store in a dry place. Store cool.

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

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here
<b>Personal Protection</b>	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed. Eye/face protection: Tight fitting protective goggles with side protection (EN 166). Skin protection - Hand protection: Chemical resistant protective gloves (EN ISO 374). If applicable Protective gloves made of butyl (EN ISO 374). Protective Neoprene® / polychloroprene gloves (EN ISO 374). Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: 0,43 Permeation time (penetration time) in minutes: 480 Protective hand cream recommended. The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments). Respiratory protection: If air supply is not sufficient, wear protective breathing apparatus. Filter P2 (EN 143), code colour white Observe wearing time limitations for respiratory protection equipment. Thermal hazards: Not applicable Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid. (Solid crystalline powder.) Color: White.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	198-200 °C	<b>pH</b>	5,0-6,0 (10 g/l)
<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>	5,0	<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Combustible	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available
		<b>Upper</b>	Not available
<b>Solubility(ies)</b>	Soluble		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable with proper storage and handling
<b>Hazardous Polymerization</b>	No dangerous reactions are known.
<b>Conditions to Avoid</b>	Not available
<b>Incompatible Materials</b>	Avoid contact with strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No decomposition when used as directed.

**Section 11: Toxicological Information**

<b>RTECS</b>	HO9450000
<b>Acute Toxicity</b>	Acute toxicity, by oral route: LDLo 19 mg/kg Human being Acute toxicity, by oral route: LD50 240 mg/kg Rat
<b>Skin Corrosion/Irritation</b>	Not available
<b>Serious Eye Damage/Irritation</b>	Eye Irrit. 2
<b>Respiratory or Skin Sensitization</b>	Not available
<b>Germ Cell Mutagenicity</b>	Not available
<b>Carcinogenicity</b>	Not available
<b>Reproductive Toxicity</b>	Not available
<b>Routes of Entry</b>	Not available.
<b>Symptoms Related to Exposure</b>	Not available

**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available

**Section 12: Ecological Information****Ecotoxicity**Toxicity to fish: LC50 96h 0,25 mg/l *Oncorhynchus mykiss* OECD 203 (Fish, Acute Toxicity Test)**Persistence and Degradability**Not readily biodegradable Toxicity to daphnia: EC50 24h 0,39 mg/l *Daphnia magna* Toxicity to algae: ErC50 72h 0,16 mg/l *Selenastrum capricornutum***Bioaccumulative Potential**

Not available

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

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

Sewage disposal shall be discouraged. Pay attention to local and national official regulations.

**Disposal of Container**

Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

**Other Considerations**

Not found

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

UN proper shipping name: UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (AMITRIPTYLINE HYDROCHLORIDE) 14.3. Transport hazard class(es): 6.1 14.4. Packing group: III Classification code: T2 LQ: 5 kg 14.5. Environmental hazards: environmentally hazardous

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

Observe restrictions: Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)! Comply with trade association/occupational health regulations. Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.): Hazard categories Notes to Annex I Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements

**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 Vasudha Pharma Chem Ltd 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 Vasudha Pharma Chem Ltd has been advised of the possibility of such damages.