

**Safety Data Sheet**

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

Section 1: Identification

Product Name Prilocaine Hydrochloride USP
Commercial Name Not available.
Product Use Laboratory chemicals, Manufacture of substances
Restrictions On Use Not available.
Product Code 30-1720
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 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation
CFR 1910.1200 Category 2B Combustible dust
Signal Word WARNING
Hazard Statement(s) Harmful if swallowed. Causes skin irritation. Causes eye irritation. Harmful to aquatic life with long lasting effects.
Pictogram(s) or Symbol(s)

**Precautionary Statement(s):**

Prevention Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves Keep away from all ignition sources including heat, sparks, and flame Keep container closed and grounded Prevent dust accumulations to minimize explosion hazard

Response 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. IF ON SKIN: Wash with plenty of water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Storage Not available.
Disposal Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Prilocaine Hydrochloride
% By Weight 100
CAS# 1786-81-8
Molecular Weight 256.77 g/mole
Chemical Formula C₁₃H₂₀N₂O.HCl
Synonym(s) N-(2-Methylphenyl)-2-(propylamino) ropanamide hydrochloride

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Prilocaine Hydrochloride	1786-81-8	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician
Eye Contact	Flush eyes with water for 15 minutes. Get medical attention. If symptoms persist, call a physician
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention

Symptoms/Effects

Acute	Causes eye irritation Causes skin irritation May cause irritation of respiratory tract Numbness of skin/eyes at site of contact Numbness and irritation of the mouth (tongue and lips) Tingling and prickling sensations Tremors Drowsiness Dizziness Ringing in the ears Blurred vision Fainting Seizures Irregular heartbeat Low blood pressure Cardiac arrest Dyspnea (Difficulty breathing and shortness of breath) May cause methemoglobinemia
Delayed	Causes eye irritation Causes skin irritation May cause irritation of respiratory tract Numbness of skin/eyes at site of contact Numbness and irritation of the mouth (tongue and lips) Tingling and prickling sensations Tremors Drowsiness Dizziness Ringing in the ears Blurred vision Fainting Seizures Irregular heartbeat Low blood pressure Cardiac arrest Dyspnea (Difficulty breathing and shortness of breath) May cause methemoglobinemia

Immediate Medical Attention

Treat symptomatically First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

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

Dry chemical. Carbon dioxide (CO₂). Water spray, mist, or foam

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon Monoxide, Carbon Dioxide. Nitrogen oxides (NO_x). Hydrogen chloride May be combustible at high temperatures. Avoid generating dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6: Accidental Release Measures

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Non-sparking tools should be used. Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading. Methods for cleaning up: Sweep up and shovel. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Handling: Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials. Minimize dust generation and accumulation. Avoid dust formation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. All equipment used when handling the product must be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Safe Handling Advice Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not breathe vapors/dust. Do not ingest. When using do not smoke. Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Storage: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Incompatible Materials: Oxidizing agents

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

Not available.

Engineering Controls

Ensure adequate ventilation, especially in confined areas. 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. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protection

Eye protection: Goggles or Safety glasses with side-shields. Skin and body protection: Chemical resistant apron, Gloves, Long sleeved clothing Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

Section 9: Physical and Chemical Properties

Appearance	Solid. White Crystalline powder		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	167-169°C/333-336°F	pH	4.7 (1%)
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	2.12	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Freely soluble in water		
Other	Molecular/Formula weight (g/mole): 256.77 g/mol Bulk density: 290 kg/m3 Freely soluble in Ethanol Insoluble in diethyl ether Slightly soluble in chloroform Very slightly soluble in Acetone		

Section 10: Stability and Reactivity

Reactivity	Reactive with oxidizing agents
Chemical Stability	Stable under recommended storage conditions
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Heat. Avoid dust formation. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials
Incompatible Materials	Oxidizing agents
Hazardous Decomposition Products	Hydrogen chloride. Carbon oxides. Nitrogen oxides (NOx)

Section 11: Toxicological Information

RTECS	UG5775000
Acute Toxicity	LD50/oral/rat = No information available LD50/oral/mouse = No information available LD50/dermal/rabbit = No information available LD50/dermal/rat = No information available LC50/inhalation/rat = No information available LC50/inhalation/mouse = No information available Other LD50 or LC50 information = No information available
Skin Corrosion/Irritation	Causes skin irritation. Causes local numbness (anesthetic effect).
Serious Eye Damage/Irritation	Causes eye irritation. May cause numbness.
Respiratory or Skin Sensitization	Inhalation of dust or powder may cause respiratory tract irritation. May cause other symptoms similar to those of ingestion
Germ Cell Mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive Toxicity	Not available.

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Routes of Entry

Ingestion. Inhalation.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Harmful if swallowed. May cause tingling, pricking feeling, or numbness in the extremities. May cause numbness of the mouth (lips and tongue). Ingestion may cause nausea, vomiting. May affect behavior/central nervous system (dizziness, drowsiness). May cause fainting. It may cause ringing in the ears. May cause blurred or foggy vision. May cause central nervous system depression including convulsions and unconsciousness. May affect behavior/central nervous system (tremors, muscle twitching). May cause difficulty breathing. May cause Methemoglobinemia. May affect the cardiovascular system (hypotension). May affect cardiovascular system (hypotension, cardiac arrhythmias)

Target Organ(s) Not available.**Section 12: Ecological Information****Ecotoxicity**

Algae/aquatic plants 154 mg/L EC50 green algae 72h Fish 188 mg/L LC50 zebra fish 96h Crustacea 61 mg/L EC50 daphnia magna 48h

Persistence and Degradability

Not readily biodegradable

Bioaccumulative Potential

Potential for bioconcentration in aquatic organisms is low.

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 regulation

Disposal of Container

Empty containers should be taken for local recycling, recovery or waste disposal

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT 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**

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.; California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC).; DSCL (EEC) R38- Irritating to 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

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. QINGDAO JINFENG PHARMACEUTICAL CO., LTD. shall not be held liable for any damage resulting from handling or from contact with the above product.