

**Safety Data Sheet**

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

Section 1: Identification

Product Name LIDOCAINE HYDROCHLORIDE USP
Commercial Name Not available.
Product Use For pharmaceutical manufacturing, process or repacking. Anesthetic topical in medications
Restrictions On Use Not available
Product Code 30-1213
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 (Poison): Oral, Dermal, Inhalation Category 3
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Toxic if swallowed.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P264 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product.
Response P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth.
Storage P405 Store locked up.
Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Lidocaine Hydrochloride monohydrate
% By Weight 100
CAS# 6108-05-0
Molecular Weight 288.82 g/mole
Chemical Formula C₁₄H₂₂N₂O.HCl.H₂O
Synonym(s) Diethylamino-2,6-dimethylacetanilide hydrochloride monohydrate

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Lidocaine Hydrochloride monohydrate	6108-05-0	100	Not available.	ORAL (LD50):Acute: 220mg/kg [Rat].

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Section 4: First-Aid Measures

Inhalation	May cause irritation and numbness. Avoid inhalation. Remove to fresh air.
Skin Contact	May cause irritation and numbness. Avoid contact with skin. Absorption through intact skin is poor, but absorption may be increase through broken or inflamed skin. Flush with copious quantities of water:
Eye Contact	May cause irritation art(t numbness. Flush with copious quantities of water for 15 minutes.
Ingestion	May cause irritation, numbness, and toxicity. Avoid ingestion. Flush out mouth with water. This material is readily absorbed front the gastrointestinal tract.

Symptoms/Effects

Acute	Possible eye, skin, gastrointestinal mid/or respiralory tract irritation.
Delayed	Possible hypersensitization.

Immediate Medical Attention

Not available

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

Water spray. Dry chemical. Carbon dioxide. Foam appropriate for surrounding fire and materials. Special fire fighting procedures: As with all fire, evacuate personnel to safe area. Firefighters should use self- contained breathing equipment and protective clothing.

Unsuitable Extinguishing Media

Not available

Products of Combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), halogenated compounds.

Firefighters Special Equipment and Precautions

Not available

Section 6: Accidental Release Measures

Wear approved respirator and chemically compatible gloves. Vacuum or sweep up spillage. Avoid breathing dust. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse. Ventilate area and wash spilled site.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents. Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	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.
Personal Protection	Protective rubber gloves. Safety goggles. Appropriate work or laboratory apparel to protect skin.

Section 9: Physical and Chemical Properties

Appearance	Solid. (Powdered solid.) Color: White or near white.		
Odor	Odorless.		
Odor Threshold	Not available		
Melting Point	74°C to 79°C (170.6°F)	pH	4.0 to 5.5
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	Not available	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)	Very soluble in water.		
Other	Not available		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	The product is stable.
Hazardous Polymerization	No.
Conditions to Avoid	Light.
Incompatible Materials	Reactive with oxidizing agents.
Hazardous Decomposition Products	When heated to decomposition, material emits toxic fumes of NOx. Emits toxic fumes under fire conditions.

Section 11: Toxicological Information
RTECS AN7700000

Acute Toxicity

Adverse Effects. Adverse effects may include numbness, burning, stinging or swelling of skin, drowsiness or excitement, nervousness, dizziness, blurred vision, tremors, convulsions, unconsciousness, and possible cardiac arrest. When taken orally, lidocaine may cause nausea, vomiting, or abdominal discomfort. Possible allergic reaction to material if inhaled, ingested or in contact with skin. Overdose Effects: Symptoms of overdose include low blood pressure; blurred or double vision; nausea or vomiting; ringing in ears; tremors or twitching; difficult breathing; increased sweating; change in heart rate with possible cardiac arrest; Pale skin; vision or hearing disturbances; feeling hot, cold, or numb; confusion; convulsion;; dizziness; drowsiness; trembling-, anxiety or nervousness; headache; weakness, coma; and death. Medical Conditions Aggravated by Exposure: hypersensitivity to material, respiratory depression, existing cardiac conditions, and impaired liver or kidney function. Cross Sensitivity: Persons sensitive to other amido -type anesthetics, flecainide, or locainide may be sensitive to this material also. LD50 (oral- mouse): 292 mg/kg Other Toxicity Data: N/A Irritancy Data: N/A Corrosivity: N/A Sensitization Data: N/A Listed as a Carcinogen by: NTP: No IARC: No OSHA: No Other Carcinogenicity Data: Metabolites of Lidocaine have been shown to be carcinogenicity in laboratory animals. Mutagenicity Data: Lidocaine hydrochloride was not shown to be mutagenic in the salmonella/mammalian and mouse micromeleus test. Reproductive and Developmental Effects: Studies in animals have not shown that Lidocaine causes adverse effects on the fetus. It is used as a local anesthetic during delivery.

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

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Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Eye contact. Inhalation. Ingestion.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s) Central nervous system and heart**Section 12: Ecological Information****Ecotoxicity**

No data.

Persistence and Degradability

Not available

Bioaccumulative Potential

Low potential for bioaccumulation.

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Recycle to process, if possible. Consult your local or regional authorities.

Disposal of Container

Not available

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**

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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

Other

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC).; DSCL (EEC) R22- Harmful if swallowed. R36/38- Irritating to eyes and skin.; 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 information contained herein is accurate to the best of our knowledge. Delta makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.