



Safety Data Sheet

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

Lidocaine USP

30-1031

Section 1: Identification

Product Name Lidocaine USP
Commercial Name Not available.
Product Use For manufacturing, Process, or Repacking. Anesthetic(topical) in medications
Restrictions On Use Not available.
Product Code 30-1031
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
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye/face protection.

Response If swallowed: Call a poison center/doctor/medical professional/ if you feel unwell. Rinse mouth. 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.

Storage Store in well-ventilated area. Keep container tightly closed.

Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Lidocaine
% By Weight 100
CAS# 137-58-6
Molecular Weight 234.3 g/mole
Chemical Formula C₁₄H₂₂N₂O
Synonym(s) 2-(Dimethylamino)-N-(2,6-Dimethylp enyl) acetamide

Mixtures Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Lidocaine	137-58-6	100	Not available.	ORAL (LD50):Acute: 317mg/kg [Rat].220 mg/kg[Mouse].



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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 and 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 from the gastrointestinal tract.
Symptoms/Effects	
Acute	Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
Delayed	Possible hypersensitization

Immediate Medical Attention

Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing, give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention. Overdose treatment is symptomatic and may consist of the following: 1. Administer activated charcoal or cathartics as soon as possible after ingestion. 2. For circulatory depression, administer a vasopressor and intravenous fluids. 3. For convulsions, consider slow intravenous administration of a diazepam or an ultra-short-acting barbiturate. Maintain caution in case of additive circulatory depression. 4. A cardiac pacing wire may be necessary for heart block. 5. For asystole, fluids, dopamine, intubation, epinephrine, atropine, and cardiac pacing may be needed.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Unsuitable Extinguishing Media

Not available

Products of Combustion

This material is assumed to be combustible. As with all dry powders, it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighters Special Equipment and Precautions

As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

Section 6: Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment. Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labeled container for disposal. Wash spill site.

Section 7: Handling and Storage

Handling: As a general rule, when handling this material, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling. Storage: Store in well-closed, light resistant container. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Exposure Limits: STEL – 5 mg/m ³ ; TWA – 1 mg/m ³
Engineering Controls	Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures.



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Personal Protection

Eye/face Protection: Safety glasses with side-shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Skin and Hand Protection: Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Other: For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

Respiratory Protection: Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH- approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134). Thermal hazards: Not available.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	White or slightly yellow crystalline powder;		
Odor	Characteristic odor		
Odor Threshold	Not available.		
Melting Point	66-70 °C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	180-182C/4mm Hg	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)	Practically insoluble. Very soluble in alcohol and chloroform. Freely soluble in ether and benzene.		
	Dissolves in oils		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.		
Chemical Stability	Stable under recommended conditions of use.		
Hazardous Polymerization	No		
Conditions to Avoid	Light, excess heat, incompatible materials		
Incompatible Materials	Strong oxidizing agents and strong mineral acids		
Hazardous Decomposition Products	When heated to decomposition, material emits toxic fumes of NOx. Emits toxic fumes under fire conditions		

Section 11: Toxicological Information**RTECS** AN7525000**Acute Toxicity**

LD50 (oral-rat): 317 mg/kg LD50 (oral-mouse): 220 mg/kg

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Lidocaine hydrochloride was not shown to be mutagenic in the salmonella/mammalian microsome test nor clastogenic in chromosome aberration assay with human lymphocytes and mouse micronucleus test.

Carcinogenicity

Metabolites of Lidocaine have been shown to be carcinogenic in laboratory animals.

Reproductive Toxicity

Studies in animals have not shown that Lidocaine causes adverse effects on the fetus. It is used as a local anesthetic during delivery.

Routes of Entry

Inhalation, ingestion

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available.

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**

Dispose of waste in accordance with all applicable Federal, State and local laws.

Disposal of Container

Not available.

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**

U.S. Regulatory Information: Not available International Regulatory Information: EINECS # 205-302-8 Risk phrases: R22- Harmful if swallowed. Safety phrases: S22- Do not breathe dust. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

Other

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC).;DSCL (EEC) R22- Harmful if swallowed. 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

Not available.