

Section 1: Identification			
<b>Common Name/Trade Name</b>	LIDOCAINE BASE USP		
<b>Supplier Information</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">                     Letco Medical, LLC                      1316 Commerce Drive NW                      Decatur, AL 35601                      1 (800) 239-5288                      +1 (734) 843-4693                 </td> <td style="width: 40%; vertical-align: top;"> <b>IN CASE OF EMERGENCY:</b>                      Chemtrec                      1 (800) 424-9300 (24 hours)                 </td> </tr> </table>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)		
<b>Product Synonym(s)</b>	Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)- Lignocaine		
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances		

Section 2: Hazards Identification																	
<b>Classification of Substance or Mixture</b>	Acute toxicity, Oral (Category 4), Serious eye damage/eye irritation (Category 2A)																
<b>Signal Word</b>	Warning																
<b>Hazard Statement(s)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">H302</td> <td>Harmful if swallowed</td> </tr> <tr> <td>H319</td> <td>Causes serious eye irritation</td> </tr> </table>	H302	Harmful if swallowed	H319	Causes serious eye irritation												
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<b>Pictogram(s)</b>																	
<b>Precautionary Statement(s)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">P264</td> <td>Wash hands thoroughly after handling.</td> </tr> <tr> <td>P270</td> <td>Do not eat, drink or smoke when using this product.</td> </tr> <tr> <td>P280</td> <td>Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td>P301+P312</td> <td>IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.</td> </tr> <tr> <td>P305+P351+P338</td> <td>IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.</td> </tr> <tr> <td>P330</td> <td>Rinse mouth.</td> </tr> <tr> <td>P337+P313</td> <td>If eye irritation persists Get medical advice/attention.</td> </tr> <tr> <td>P501</td> <td>Dispose of contents/container to an approved waste disposal plant.</td> </tr> </table>	P264	Wash hands thoroughly after handling.	P270	Do not eat, drink or smoke when using this product.	P280	Wear protective gloves/protective clothing/eye protection/face protection.	P301+P312	IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.	P305+P351+P338	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.	P330	Rinse mouth.	P337+P313	If eye irritation persists Get medical advice/attention.	P501	Dispose of contents/container to an approved waste disposal plant.
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<b>Hazards Not Otherwise Classified</b>	No data available																
<b>Ingredient(s) with Unknown Toxicity</b>	No data available																

Section 3: Composition/Information on Ingredients	
<b>Chemical Name</b>	Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)- Lignocaine
<b>Common Name</b>	Lidocaine
<b>CAS Number</b>	137-58-6
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.
<b>If Inhaled</b>	Move to fresh air. Call a physician if symptoms develop or persists.
<b>In Case of Skin Contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>In Case of Eye Contact</b>	Rinse with water. Get medical attention if irritation develops or persists.
<b>If Swallowed</b>	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Most Important Symptoms and Effects</b>	Treatment of local anesthetic overdose should be symptomatic and supportive and may include the following: Do not induce vomiting. Administer activated charcoal as a slurry. For circulatory depression, administer a vasopressor or intravenous fluids. For seizures, administer an intravenous benzodiazepine, followed by phenobarbital or propofol if seizures recur. Avoid the use of phenytoin which may worsen or precipitate cardiac arrhythmias. Monitor for hypotension, dysrhythmias, respiratory depression, and need for endotracheal intubation. Evaluate for hypoglycemia, electrolyte disturbances, and hypoxia. Lipid infusion may be useful for reversing severe cardiac toxicity. For coma and respiratory depression, protect airway with an endotracheal tube and assist ventilation as necessary. For bradycardia and bradyarrhythmias with heart rates less than 60, administer intravenous, intramuscular, or subcutaneous atropine. For hypotension, infuse isotonic fluid. If persistent, administer dopamine. For severe metabolic acidosis, correct with intravenous sodium bicarbonate. For respiratory acidosis, treat with assisted ventilation. For methemoglobinemia in symptomatic patients, administer intravenous methylene blue. Enhanced elimination with hemodialysis, exchange transfusion, AV hemofiltration, and forced diuresis has not been shown to increase clearance substantially. Urinary acidification is not recommended. Cardiac bypass support should be considered for cardiovascular collapse. (Poisindex)

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide, or foam as appropriate for surrounding fire and materials.
<b>Special Hazards Arising From the Substance/Mixture</b>	No unusual fire or explosion hazards noted.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Cool containers exposed to flames with water until well after the fire is out.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	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 clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.
<b>Methods and Materials Used for Containment</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dust during clean-up. For waste disposal, see section 13 of the SDS. Wash spill site.
<b>Cleanup Procedures</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dust during clean-up. For waste disposal, see section 13 of the SDS. Wash spill site.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	As a general rule, when handling chemicals, avoid all contact and inhalation of dust, mists, and/or vapours associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Use of a designated area is recommended for handling of potent materials.
<b>Conditions for Safe Storage</b>	Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Material Lidocaine (CAS 137-58-6) Type STEL Value 5 mg/m <sup>3</sup> Type TWA Value 1mg/m <sup>3</sup> .
<b>Appropriate Engineering Controls</b>	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. 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.
<b>PPE - Eye/Face Protection</b>	Safety glasses with sideshields 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.
<b>PPE - Skin Protection</b>	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 nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
<b>PPE - Body Protection</b>	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 nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. 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.
<b>PPE - Respiratory Protection</b>	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)

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Solid, Powder Colour: White or slightly yellow crystalline powder.
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	Characteristic odor
<b>Vapor Pressure</b>	0.0000009 kPa at 25 °C
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	No data available
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	150.8 - 158 °F (66 - 70 °C)
<b>Solubility</b>	Solubility in water Practically insoluble.
<b>Initial Boiling Point and Boiling Range</b>	356 - 359.6 °F (180 - 182 °C) (also reported as 146-160 °C)
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	2.26 at pH 7.4
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No reactivity hazard known.
<b>Chemical Stability</b>	Stable at normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Not known.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong mineral acids. Ammonia.
<b>Hazardous Decomposition Products</b>	NO <sub>x</sub> . Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	LD50 Oral Mouse 220 mg/kg Rat 317 mg/kg Other LD%) Mouse 19.5 mg/kg Rat 25 mg/kg
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	No data available
<b>Acute Toxicity - Eye</b>	Causes serious eye irritation.
<b>Skin Corrosion/Irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious Eye Damage/Irritation</b>	Causes serious eye irritation.
<b>Respiratory or Skin Sensitization</b>	Due to lack of data the classification is not possible.
<b>Germ Cell Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity IARC</b>	This material is not considered to be a carcinogen by IARC.
<b>Carcinogenicity ACGIH</b>	This product is not considered to be a carcinogen by ACGIH.
<b>Carcinogenicity NTP</b>	This material is not considered to be a carcinogen by NTP.
<b>Carcinogenicity OSHA</b>	This material is not considered to be a carcinogen by OSHA.
<b>Reproductive Toxicity</b>	15 mg/kg/day Reproductively study Result: Maternal toxicity, delayed fetal development, and an increase in minor skeletal defects. Species: Rabbit 5 mg/kg/day Reproductively study Result: No fetal harm. Species: Rabbit 500 mg/kg/day Reproductively study Result: No increase in significant adverse reproductive effects or malformations. Species: Rat
<b>Specific Target Organ Toxicity - Single Exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

<b>Toxicity</b>	No ecotoxicity data noted for the ingredient(s).
<b>Persistence and Degradability</b>	No data available
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	This product in its present state, when discarded or disposed of, is not hazardous waste according to Federal regulations (40 CFR 261.4 (b) (4)). Under RCRA, it's the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/region/national/international regulations.
<b>Waste Treatment Methods Packaging</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Empty containers should be taken to approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

US federal regulations CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - No Fire Hazard -No Pressure Hazard -No Reactivity Hazard -No SARA 302 Extremely hazardous substance: No. SARA 311/312 Hazardous chemical: No Other federal regulations: Safe Drinking Water Act (SDWA) Not regulated. Food and Drug Administrative (FDA) Not regulated. US State regulations: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Lisa Russell
<b>Revision Date</b>	01/11/2019 10:00

### Disclaimer

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