**Section 1. Product and Company Identification**

**Product Name**  Bupivacaine

**Product ID**  B8261

**Chemical Name**  (Synonyms)

**Supplier**  LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com

**Emergency Phone #**  1-800-424-9300

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**Section 2. Hazards Identification**

**GHS Classification**
Acute toxicity, Oral (Category 2), H300
Acute toxicity, Skin (Category 2), H310
Acute toxicity, Inhalation (Category 1), H330

**GHS Label elements including precautionary statements**

**Pictogram**

**Signal word**  Danger

**Hazard and precautionary statements**

**Hazard statements**
H300 + H310 + H330 - Fatal if swallowed, in contact with skin or if inhaled.

**Precautionary statements**
P260 - Do not breathe dust, fumes, gas, mist, vapors and spray.
P262 - Do not get in eyes, on skin or on clothing.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing.
P284 - Wear respiratory protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P320 - Specific treatment is urgent (see supplemental first aid instructions on this label).
P330 - Rinse mouth.
P361 - Remove /Take off immediately all contaminated clothing.
P363 - Wash contaminated clothing before reuse.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

**HMIS Classification**
Health hazard: 4
Chronic health hazard: 0
Flammability: 0
Physical hazard: 0

**NFPA Rating**
Health hazard: 4
Fire hazard: 0
Reactivity hazard: 0

**Potential Health Effects**
Inhalation - Acute toxicity. Harmful if inhaled. May cause respiratory tract irritation.
Skin - Acute toxicity. May be harmful if absorbed through skin. Causes skin irritation.
Eyes - Acute toxicity. Causes eye irritation.
Ingestion - Acute toxicity. Harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances

<table>
<thead>
<tr>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
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<tr>
<td>Formula</td>
<td>C\textsubscript{18}H\textsubscript{28}N\textsubscript{2}O</td>
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<td>CAS No.</td>
<td>38396-39-3</td>
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<td>Formula Wt.</td>
<td>288.43</td>
</tr>
<tr>
<td>EC No.</td>
<td>253-911-2</td>
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Section 4. First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact
Flush eyes with plenty of water for at least 15 minutes.

Skin Contact
Wash off with soap and plenty of water. Take off contaminated clothing.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician and POISON CONTROL immediately.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures
Wear self-contained breathing apparatus for fire fighting if necessary.

Unusual Fire Hazards
Carbon oxides, nitrogen oxides (NOx).

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid contact with skin and the eyes. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions
Do not let product enter drains.

Methods and materials for containment and cleanup
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling
Wear personal protective equipment. Avoid contact with skin and eyes and clothing. Avoid formation of dust. Do not eat, drink or smoke when using this product. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide.

Other Remarks
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

PERSONAL PROTECTION

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and Splash contact - Material: Nitrile rubber. Minimum layer thickness: 0.11 mm, Break through time: 480 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Section 9. Physical and Chemical Properties

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<tr>
<th>Physical State</th>
<th>Color</th>
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<td>Solid</td>
<td>White to off-white powder.</td>
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<thead>
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<th>Volatility</th>
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<th>Lower explosion limit</th>
<th>Autoignition temperature</th>
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<th>Upper explosion limit</th>
<th>Vapor pressure</th>
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<table>
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<tr>
<th>Relative vapor density</th>
<th>Evaporation rate</th>
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<tbody>
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<td>Not available.</td>
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Section 10. Stability and Reactivity

**Stability**

Stable under recommended storage conditions.

**Materials To Avoid**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide.
Section 11. Toxicological Information

**Oral LD50** Very toxic if swallowed.

**Inhalation LC50** Not available.

**Dermal LD50** Not available.

**Other information on acute toxicity** Not available.

**Skin corrosion/irritation** Not available.

**Serious eye damage/irritation** Not available.

**Respiratory or skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity**

*IARC:* No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

*ACGIH:* No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

*NTP:* No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

*OSHA:* No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity** Not available.

**Teratogenicity** Not available.

**Specific organ toxicity single exposure (GHS)** Not available.

**Specific organ toxicity repeated exposure (GHS)** Not available.

**Potential Health Effects**

Inhalation - Acute toxicity. Harmful if inhaled. May cause respiratory tract irritation.

Skin - Acute toxicity. May be harmful if absorbed through skin. Causes skin irritation.

Eyes - Acute toxicity. Causes eye irritation.

Ingestion - Acute toxicity. Harmful if swallowed.

**Aspiration Hazard** Not available.

**Synergistic effects** Not available.

**Additional Information** RTECS: Not available.

**Signs and symptoms of exposure** Not available.

Section 12. Ecological Information

**Toxicity** Not available.

**Mobility in soil** Not available.

**PBT and vPvB assessment** Not available as chemical safety assessment not required/not applicable.
Section 13. Disposal Considerations

Waste Disposal

Dispose of material according to all federal, state, and local regulations. Offer material to a licensed, professional waste disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Section 14. Transport Information

DOT (US)
UN number: 2811  Class: 6.1  Packing Group: II
Proper shipping name: Toxic solid, organic, n.o.s. (Bupivacaine)

IATA
Toxic solid, organic, n.o.s. (Bupivacaine)
Hazard class: 6.1  UN/ID No.: 2811  Packing group: II

IMDG
Toxic solid, organic, n.o.s. (Bupivacaine)
Hazard class: 6.1  UN/ID/ No. 2811  Packing group: II

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components
No SARA hazards.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Bupivacaine  CAS No. 38396-39-3  Revision Date: 07/13/2015

New Jersey Right To Know Components
Bupivacaine  CAS No. 38396-39-3  Revision Date: 07/13/2015

California Prop 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16. Other Information

Other information
The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.
For emergencies in the USA, call CHEMTREC 800-424-9300