Medical Chemical Corp.
19430 Van Ness Ave.
Torrance, CA 90501
Customer Service: Phone (310)787-6800
FAX (310)787-4464
CHEMTREC Emergency Response Telephone Number: (800)424-9300
Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please
direct all other inquiries to our customer service phone number.

Section I - Product Identification
An aqueous solution of alkyl benzyl dimethyl ammonium chloride, also known as benzalkonium chloride.

Section II - Hazards Identification
Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

Safety Ratings

Health: Normal Flammability: None Reactivity: None Contact: None
Recommended safety equipment: safety goggles, lab coat and proper gloves
Storage: General storage

NFPA Ratings
Health = 0 Flammability = 0 Reactivity = 0

Potential Health Effects
The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is
similar to other Quaternary amine products.
Inhalation: Unlikely to be a problem. May be irritating
Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.
Skin contact: Not normally a problem
Eye contact: May be irritating
Chronic Exposure: Unknown
Aggravation of preexisting conditions: Unknown

Section III - Composition/Information on Components

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>OSHA Pel</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>BTC 8358</td>
<td>68424-85-1</td>
<td>——</td>
<td>——</td>
<td>——</td>
<td>0.13% w/v</td>
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</table>

Section IV - First Aid Measures

Inhalation: Unlikely to cause problems. Remove from source of exposure and get medical attention for any breathing
difficulty.
Ingestion: Unlikely to cause problems. If the victim is conscious, induce vomiting. Never give anything by mouth to an
unconscious person.
Skin Contact: Unlikely to cause problems. Wash affected area with soap and water. Get medical advice if irritation develops.
Eye Contact: Unlikely to cause problems. Rinse thoroughly with running water. Get medical advice if irritation develops.
Section V - Fire Fighting Measures

Flash point: Not applicable.
Flammable Limits: Not applicable.
Fire: Not normally a fire hazard.
Explosion: Not normally an explosion hazard.
Fire Extinguishing Media: Any means suitable for surrounding fire.
Special information: Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III.
Personal Respirator: Usually not required.
Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.
Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: 100 °C
Vapor pressure (mm Hg): 18 @ 20 °C
Vapor Density (air = 1): 0.6
Evaporation Rate (water = 1): 1
Solubility: Infinitely miscible with water
Appearance and Odor: A clear solution with the characteristic odor of a quaternary ammonium compound.

Section X - Stability and Reactivity

Stability: Freezes at low temperature.
Hazardous Decomposition Products: Nothing unusual.
Hazardous polymerization: Will not occur.
Incompatibilities: Nothing unusual.
Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>NTP?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
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<tbody>
<tr>
<td>BTC 8358</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None</td>
</tr>
</tbody>
</table>

Section XII - Ecological Information

Environmental Fate: Biodegradable
Environmental Toxicity: None expected
Section XIII - Disposal Considerations

Unlikely to be restricted but final authority resides with local governments. Insure compliance with all government regulation.

Section XIV - Transportation Information

Not Regulated by IATA or DOT.

Section XV - Regulatory Information

Chemical Inventory Status

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
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<tbody>
<tr>
<td>BTC 8358</td>
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</table>

Federal, State and International Regulations

<table>
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<tr>
<th>Ingredient</th>
<th>SARA 302</th>
<th>SARA 313</th>
<th>RCRA</th>
<th>TSCA</th>
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<tbody>
<tr>
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<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No  TSCA 12(b): No  CDTA: No

SARA 311/312: Acute: No, Chronic: No, Fire: No, Pressure: No

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: Nov. 2, 2017