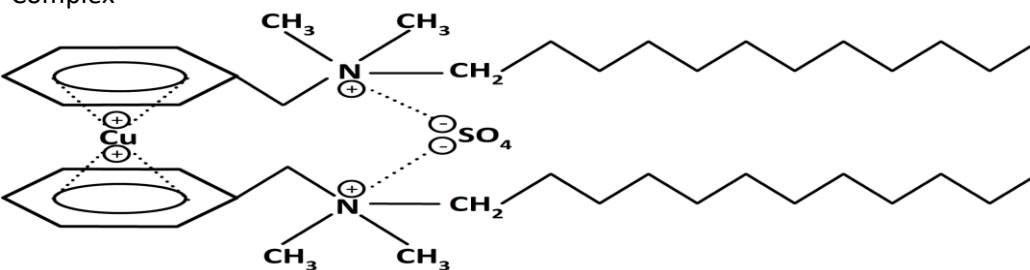


## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                   |                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name      | : <b>ezoMED – 5% Active</b>                                                                                                                                                                                          |
| Active Ingredient | : Cu $\pi$ -Complex Dodecyl Dimethyl Benzyl Ammonium Chloride and other linear alkyls (5% in Water)                                                                                                                  |
| Chemical Name     | : Dodecyl Dimethyl Benzyl Ammonium / Copper $\pi$ -Complex                                                                                                                                                           |
| Code Name         | : DDAC/Cu/5                                                                                                                                                                                                          |
| Product Use       | : Water-Based Disinfectant Detergent to disinfect Clinical, Institutional, Domestic and Industrial Contaminations and general disinfection, safe for use on Food-Contact surfaces                                    |
| Company           | : ezoMED SAL<br>Le Bureau Bldg. 3 <sup>rd</sup> floor, Boulevard Pierre Gemayel Street, Mathaf, Beirut, Lebanon<br>P.O. Box 16-7186 Beirut - Tel: +961.1.609855 - <a href="http://www.ezomed.com">www.ezomed.com</a> |

## SECTION 2. COMPOSITION / INFORMATION ON ACTIVE INGREDIENTS

| Active Material                                                                     | CAS # | Percent |
|-------------------------------------------------------------------------------------|-------|---------|
| DDBAC (Dodecyl Dimethyl Benzyl Ammonium Chloride) / Copper $\pi$ -Complex           | N/A   | 50%     |
|  |       |         |
| Cu $\pi$ -complex C14, C16 and C18 Quaternary Ammonium Chlorides                    | N/A   | 50%     |

## SECTION 3. 1 HAZARDS IDENTIFICATION – Before Dilution (Product as-is)

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Most important Hazards | : Direct contact with liquid may be irritating to eyes.                                                           |
| Routes of Exposure     | : Eye, Skin, Inhalation, Ingestion.                                                                               |
| Eye Contact            | : May cause irritation.                                                                                           |
| Skin Contact           | : No skin irritation recorded, however it is better to wash hands after direct contact with concentrated Product. |
| Inhalation             | : Not a normal route of exposure. May cause respiratory tract irritation.                                         |
| Ingestion              | : Not a normal route of exposure. May cause stomach distress.                                                     |

### **SECTION 3. 2 HAZARDS IDENTIFICATION – After Dilution (5%, 2%, 1% dilution, or lower than 1% dilutions)**

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Most important Hazards | : Direct contact with liquid may be very slightly irritating to eyes.                 |
| Routes of Exposure     | : Eye, Skin, Inhalation, Ingestion.                                                   |
| Eye Contact            | : May cause very slight irritation.                                                   |
| Skin Contact           | : Diluted product is safe under normal use. No known hazards                          |
| Inhalation             | : Not a normal route of exposure. May cause very slight respiratory tract irritation. |
| Ingestion              | : Not a normal route of exposure. May cause very slight stomach distress.             |

### **SECTION 4. FIRST AID MEASURES**

|              |                                                                                                                                                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | : Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.                                                                                                                                                                |
| Skin Contact | : Diluted product is safe under normal use. No known hazards, however, in case of irritation from the concentrated product (before dilution), flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse.                                                                     |
| Inhalation   | : In case of accident by inhalation: remove casualty to fresh air and keep at rest.                                                                                                                                                                                                                                                    |
| Ingestion    | : Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur. |

### **SECTION 5. FIRE FIGHTING MEASURES**

|                                      |                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammable                            | : Neither Flammable nor Combustible.                                                                                                                                                                                                 |
| Means of Extinction                  | : SMALL FIRE: Suitable fire extinguishing media: Use DRY chemical powder<br>LARGE FIRE: Water spray, fog or foam. Do not use water jet<br>Consult with local fire authorities before attempting large scale fire-fighting operations |
| Combustion Products                  | : Thermal decomposition products may include carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ), sulfur oxides, ammoniacal vapors, halogenated compounds.                                                  |
| Protective Equipment of Firefighters | : Use personal protective equipment. Firefighters should wear full protective clothing including approved/certified self-contained breathing apparatus.                                                                              |

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

|                           |                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Leak and Spill Procedures | : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Use a water rinse for final cleanup |
| Personal Precautions      | : Wear suitable gloves and eye/face protection.                                                                                    |

## SECTION 7. HANDLING AND STORAGE

|          |                                                                                                                                                                                                   |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | : Avoid contact with eyes, skin and clothing.                                                                                                                                                     |
| Storage  | : Keep out of reach of children. Keep containers tightly closed. Containers which are open to be carefully resealed and kept upright to prevent leakage. Storage Temperature: between 10 and 50°C |

## SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

|                               |                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls          | : General ventilation normally adequate.                                                                                                                                |
| Personal Protective Equipment | : No special protective equipment required. However, it is recommended to wash hands after handling chemical products, before eating and the end of the working period. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Physical State       | : Avoid contact with eyes, skin and clothing.                              |
| Color and Appearance | : Light Blue to Blue – Diluted product is uncolored to slightly light Blue |
| Boiling Point        | : >100°C (around 102°C)                                                    |
| Freezing Point       | : <0°C (around -2°C)                                                       |
| pH                   | : 7.5 ± 0.5                                                                |
| Solubility in Water  | : 100% Soluble                                                             |

## SECTION 10. STABILITY AND REACTIVITY

|                                     |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stability                           | : Stable under recommended storage and handling conditions                                                                                                                                                                                                                                                                                                            |
| Incompatibility                     | : Strong Acids, Strong Base and oxidizing agents                                                                                                                                                                                                                                                                                                                      |
| Hazardous Decomposition by-Products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. However, under extreme conditions (like fire), decomposition products may include but not limited to: carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ), sulfur oxides, ammoniacal vapors, hydrogen chloride, halogenated compounds |

## SECTION 11. TOXICOLOGICAL INFORMATION

|                             |                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects of Acute Exposure   | : Eye contact: May cause irritation.<br>Ingestion: May cause stomach distress.<br><br>No known significant effects or critical hazards on Skin contact or Inhalation expected under normal use, however, for extreme conditions, the following effects may occur:<br>Inhalation: May cause respiratory tract irritation.                                             |
| Effects of Chronic Exposure | : Eye contact: May cause irritation.<br>Ingestion: May cause stomach distress, nausea or vomiting.<br><br>No known significant effects or critical hazards on Skin contact or Inhalation expected under normal use, however, for repeated or prolonged contact with spray mist, the following effects may occur: Inhalation: May cause respiratory tract irritation. |
| Irritancy of Product        | : No data available                                                                                                                                                                                                                                                                                                                                                  |
| Skin Sensitization          | : The possibility of allergic sensitization should be considered when in contact with concentrated Product                                                                                                                                                                                                                                                           |
| Respiratory Sensitization   | : The possibility of allergic sensitization should be considered                                                                                                                                                                                                                                                                                                     |
| Carcinogenicity             | : No known significant effects or critical hazards                                                                                                                                                                                                                                                                                                                   |
| Reproductive Toxicity       | : No known significant effects or critical hazards                                                                                                                                                                                                                                                                                                                   |
| Teratogenicity              | : No known significant effects or critical hazards                                                                                                                                                                                                                                                                                                                   |
| Embryotoxicity              | : No known significant effects or critical hazards                                                                                                                                                                                                                                                                                                                   |
| Mutagenicity                | : No known significant effects or critical hazards                                                                                                                                                                                                                                                                                                                   |
| Mammalian Toxicity          | : No mammalian toxicity                                                                                                                                                                                                                                                                                                                                              |

## SECTION 12. ECOLOGICAL INFORMATION

|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| Aquatic Toxicity | : Slightly toxic to aquatic life. Diluted Product is not toxic to aquatic life |
|------------------|--------------------------------------------------------------------------------|

## SECTION 13. DISPOSAL CONSIDERATION

|                |                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------|
| Waste Disposal | : Diluted product can be flushed to sanitary sewer with plenty of running water<br>Discard empty container in trash |
|----------------|---------------------------------------------------------------------------------------------------------------------|

## SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport

The product is Not Regulated as Dangerous Goods for Land Transport, Sea Transport and Air Transport

## SECTION 15. REGULATORY INFORMATION

Label Requirements : Xi Irritant  
EC Classification



**Risk Phrases:** R36/38 – Irritating to eyes

**Safety Phrases:** S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37 – Wear suitable gloves

Label Requirements :  
National Fire Protection  
Association (NFPA)



Health (Blue) : 1 – May be irritating

Flammability (Red): 0 – Not Combustible

Reactivity (Yellow) : 0 – Stable (Not reactive when mixed with water)

Special Information key (White)

Label Requirements :  
Hazardous Material  
Information System (HMIS)

|                 |   |
|-----------------|---|
| HEALTH          | 1 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

## SECTION 16. OTHER INFORMATION

Date of issue: August 18, 2016 (Version 2.0)

The above information is believed to be correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation and disposal and is not to be considered a Warranty or Quality Specification. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained for dealing with disinfectants. No warranty, express or implied, is made as to the completeness or continuing accuracy of this information