



## Material Safety Data Sheet

### 1. Chemical Product & Company Data

|   |   |
|---|---|
| Product Name: <b>MILGO QGC</b>  |   |
| Manufacturer:<br>Il Rep-Z, Inc.<br>4660 Elizabeth Street<br>Coraopolis, PA 15108<br>Telephone: 1-412-264-8340 | Supplier:<br>Dri-Eaz Products, Inc.<br>15180 Josh Wilson Road<br>Burlington, WA 98233<br>(360) 757-7776, (800) 932-3030 |

### 2. Ingredients

| Name   | CAS #      | UN # | % by volume |
|--|------------|------|-------------|
| Di-N-alkyl (C <sub>8-10</sub> ) -N,N-dimethylammonium chloride | 68424-95-3 |      | 3.3         |
| N-Alkyl (C <sub>12-16</sub> ) dimethylbenzylammonium chloride  | 68424-85-1 |      | 2.2         |
| Tetrasodium ethylenediamine tetraacetate                       | 64-02-8    |      | 1.9         |
| Sodium metasilicate  | 6834-92-0  |      | 0.3         |
| Ethanol  | 64-17-5    |      | 1.0         |
| Water  | 7732-18-5  |      |             |

### 3. Hazards Identification

#### Emergency Overview

Alkaline Liquid Mixture.

NOTE: Hazard information is based on the characteristics of the components of this mixture.

**Ingestion** - May cause abdominal discomfort, nausea, vomiting and diarrhea. Drowsiness or unconsciousness may occur.

**Inhalation** - Low concentration of the vapor may cause irritation of the respiratory tract with possible chest pain and coughing. High concentrations may cause headache and drowsiness.

**Eye Contact** - Causes eye irritation and possible permanent eye injury.

**Skin Contact** - Prolonged contact may cause discomfort, redness, drying and defatting of the skin.

### 4. First Aid

**Ingestion** - If swallowed, immediately give 3-4 glasses of milk (if unavailable, give water). **Do not** induce vomiting.

**Inhalation** - Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen.

**Eye Contact** - Flush eyes with water for 15 minutes. Seek immediate medical attention.

**Skin Contact** - Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes.

**Note to physician** - Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measures to support breathing may be needed to combat circulatory shock. Persistent convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.

## MILGO QGC

### 5. Fire Fighting Measures

|  |   |   |
|--|---|---|
| Flammability<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | If yes, under which conditions?                                   |   |
| Flashpoint:<br>>200 °F (93.3 °C)   | Upper flammable limit<br>% by volume n. av.                       | Lower flammable limit<br>% by volume n. av. |
| Autoignition temperature<br>n. av.   | Hazardous combustion products<br>Products of combustion are toxic | Explosion data<br>n. ap.                    |
| Means of extinction: Apply alcohol type or all purpose foam for large fires. Use dry chemical media or carbon dioxide extinguishers for small fires. SCBA and bunker gear for fire department personnel. |   |   |

### 6. Accidental Release Measures

|   |
|---|
| <p>Warning: May be corrosive.<br/>Wear personal protective equipment.<br/>Do not allow spill to reach watercourse or sewers.<br/>Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available in the workplace.<br/>Collect and store waste materials in suitable containers for disposal i.e. metal drums. Floors may become slippery.</p> |
|---|

### 7. Handling & Storage

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|--|
| <p>Eyewash stations are required in the workplace. If eye irritation is encountered the use of a full facepiece respirator is recommended. Mechanical ventilation is recommended in enclosed workspaces. Area should be evacuated of all non-essential personnel prior to application of product. In processes where mists or vapors are generated, respiratory protection is advised.</p> |
|--|

### 8. Exposure Controls & Personal Protection

|   |  |  |
|---|--|--|
| Personal Protective Equipment   |  |  |
| Gloves<br>Rubber or neoprene  | Respirator<br>Proper ventilation and/or NIOSH TC-23C organic vapor respirator where mists or vapors are generated. | Eye<br>Goggles or full face respirator |
| Footwear<br>n. ap.  | Clothing<br>Coveralls or equivalent  | Other<br>Eye wash; safety shower.      |
| Exposure Guidelines   |  |  |
| <p><b>EFFECTS OF OVEREXPOSURE</b><br/>No information found for human exposure. Based on the available animal toxicity information for this and similar products, it is anticipated that direct contact with this material will produce severe skin or eye irritation. Upon prolonged contact, burns and possible irreversible damage may occur. Solvent vapors or mists of products can cause irritation of mucous membranes. Exposure to Ethanol concentrations of over 1,000 ppm may cause headache, irritation of the eyes, nose and throat, and, if long continued, drowsiness and loss of appetite and inability to concentrate.</p> |  |  |

## MILGO QGC

### 9. Physical and Chemical Properties

|  |   |  |
|--|---|--|
| Physical state<br>Liquid                 | Odor and appearance<br>Clear liquid, odor varies with fragrance |  |
| Odor threshold (ppm)<br>n. av.           | Vapor pressure (mm Hg)<br>n. av.                                | Vapor density (Air=1)<br>n. av.              |
| Evaporation<br>(butyl acetate = 1) n.av. | Boiling point<br>215.6 °F (102 °C)                              | Freezing point<br>n. av.                     |
| pH<br>12.4                               | Specific gravity<br>1.01 @ 77 °F (25 °C)                        | Coefficient water/oil distribution<br>n. av. |
| Solubility in water<br>100%              | Viscosity<br><100 cps @ 77 °F (25 °C)                           | % Volatiles (by weight)<br>90%               |

### 10. Stability and Reactivity

|  |   |
|--|---|
| Chemical Stability<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                    | If no, under which conditions?  |
| Incompatibility with other substances<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | If yes, under which conditions? Avoid strong oxidizing agents.  |
| Reactivity, and under what conditions?   | Stable under normal conditions.   |
| Hazardous decomposition products?  | Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and other organic materials and oxides of carbon and nitrogen. |

### 11. Toxicological Information

|  |                     |                      |                                |
|--|---------------------|----------------------|--------------------------------|
| Route of Entry<br>Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/>   |                     |                      |                                |
| No toxicity studies have been conducted for the product.<br>oral LD50 (rat): 2800 mg/kg<br>dermal LD50 (rabbit): 2850 mg/kg<br>eye irritation (rabbit): extreme irritant (primary irritation = 97.5 without washing, and 93.3 with washing)<br>skin irritation (rabbit): severe irritant (primary irritation index 8.0)<br>DOT skin corrosivity (rabbit): non-corrosive<br>skin irritation at 1:64 use dilution: non-irritant (primary irritation index = 0.0) |                     |                      |                                |
| Carcinogenicity<br>No  | Mutagenicity<br>No  | Teratogenicity<br>No | Reproductive toxicity<br>No    |
| Synergistic products<br>No   | Sensitization<br>No | Neurotoxicity<br>No  | Target organs<br>Eyes and Skin |

### 12. Ecological Information

|                                       |
|---------------------------------------|
| Product is hazardous to aquatic life. |
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**13. Disposal Considerations**

Do not dispose of product in storm or sanitary sewer systems.  
 Do not allow discharge into groundwater or a watercourse.  
 If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

**14. Transport Information**

Shipping Name: NOT REGULATED  
 Hazard Class:  
 UN Identification #:

**15. Regulatory Information**

This material safety data sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Can.) and the Controlled Products Regulations (Can.) This product has been classified in accordance with the hazard criteria of the CPR (Can.) and the MSDS contains all the information required by the CPR (Can.).

**SARA Title III Sections 311/312 - This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:**

| Chemical Name  | CAS Number                 | Hazard *) Categories |
|--|----------------------------|----------------------|
| Di-N-alkyl (C <sub>8-10</sub> )-N,N-dimethylammonium chloride                                | 68424-95-3                 | A                    |
| N-Alkyl (C <sub>12-16</sub> )dimethylbenzylammonium chloride                                 | 68424-85-1                 | A                    |
| Ethanol  | 64-17-5                    | F                    |
| Linear primary and/or secondary alcohol ethoxylates and/or nonylphenol (branched) ethoxylate | Depends on ethoxylate type | A                    |

\*) The five hazard categories are as follows: F=FIRE HAZARD; S=SUDDEN RELEASE OF PRESSURE; R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD; C=DELAYED (CHRONIC) HEALTH HAZARD.

**TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS:** Found on U.S. EPA TSCA inventory.

**16. Other Information**

This product is a disinfectant and cleaner.

For chemical emergency during transportation call INFOTRAC (US) **1-800-535-5053** (INT'L) **1-352-323-3500**

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## Abbreviations:

n. av. = not available

mm Hg = millimeters of Mercury

COC = Cleveland Open Cup

LD = Lethal Dose

n. ap. = not applicable

PMCC = Pinsky Martens Closed Cup

TWA = Time Weighted Average

LC = Lethal Concentration

ppm = parts per million

TCC = Tagliabue Closed Cup

STEL = Short Term Exposure Limit

CS = centistokes