



maxi Quat



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:** maxi Quat  
**Product Form:** Liquid  
**Other means of identification:** 60005  
**Product Use:** Low level germicidal cleaner; quat / non-ionic blend  
  
**Supplier Details:** maxill inc.  
 80 Elm St.  
 St. Thomas, ON  
 Canada, N5R 6C8

**Emergency Contact:** maxill inc. 519-631-7370, CANUTEC: 613.996.6666, ChemTel: 1-800-255-3924

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### 2. HAZARDS IDENTIFICATION

**Emergency Overview:**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label Elements:**



**Signal Word:** Warning  
**Hazard Statements:** Causes serious eye damage  
 Corrosive  
 May cause skin irritation  
 May cause serious eye irritation  
 May be harmful if swallowed  
  
**Precautionary Statements (Non-GHS):** Do not breathe mist or vapor. Wear protective gloves and safety goggles.  
 Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective equipment as required.  
  
**Response:** Immediately call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Immediately call a doctor or poison control center.  
 Rinse mouth. DO NOT induce vomiting  
  
**Storage:** Store locked up. Keep container tightly closed when not in use. Store in a cool, well ventilated place. KEEP OUT OF REACH OF CHILDREN  
  
**Disposal:** Dispose of contents/container in accordance with all regulations



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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### Mixture

| Name                                    | Product Identifier  | % (w/w)    |
|---|---------------------|------------|
| Alkyl dimethyl benzyl ammonium chloride | (CAS No) 68424-85-1 | 1 – 5      |
| Octyl decyl dimethyl ammonium chloride  | (CAS No) 32426-11-2 | 1 – 5      |
| Ethanol                                 | (CAS No) 64-17-5    | 0.25 – 1.5 |
| Ethoxylated Alcohols                    | (CAS No) 68131-39-5 | 1 – 5      |
| Tetrasodium EDTA                        | (CAS No) 64-02-8    | 1 – 5      |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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### 4. FIRST AID MEASURES

#### Description of First Aid Measures

- Inhalation:** Move to fresh air. If breathing is difficult give oxygen. If symptoms persist, call a physician..
- Skin Contact:** Take off contaminated clothing. Rinse skin with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
- Eye Contact:** Immediately flush with plenty of water. Remove contact lenses and continue flushing with water for 15 minutes. Call a physician immediately.
- Ingestion:** Do NOT induce vomiting. Rinse mouth. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.

#### Indication of any Immediate Medical Attention and Special Treatment Needed

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage.

**Note to Physicians:** Treat symptomatically

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### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, dry chemical powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media:** None known.

#### Specific Hazards Arising from the Chemical

During fire, gasses hazardous to health may be formed. Use water spray to keep fire-exposed containers cool.

#### Thermal Decomposition Products (may include the following):

Carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, metal oxides.

#### Protective Equipment and Precautions for Firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.



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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions:** Immediately evacuate personnel to safe areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment:** Keep unnecessary and unprotected personnel away. Shut off all ignition sources. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

**Methods for Cleaning Up:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into container for later disposal. Do not flush into surface water or sanitary sewer system. Dispose of the waste material according to local, state and government requirements. Following product recovery, flush area with water.

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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on Safe Handling:** Do not handle, store or open near and open flame or other source of heat or ignition. Protect material from direct sunlight. Do not breathe vapor. Use personal protective equipment as required. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Do not taste or swallow. Wash hands and exposed skin thoroughly after handling. Empty containers may retain hazardous residue. Do not reuse container. Remove contaminated clothing and protective gear before entering into eating areas.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Store locked up. Keep containers tightly closed in a dry, cool and well ventilated place with a temperature not lower than 50°F or higher than 120°F. Keep away from heat, sparks and open flame. Store out of direct sunlight, and away from incompatible materials.

**Incompatible Materials:** Incompatible with strong oxidizing agents, anionic surfactants.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

**Appropriate Engineering Controls:** Emissions from ventilation or work process equipment should be checked to ensure compliance with applicable legislation.

**Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Ensure eye wash stations and emergency shower are close to the workstation.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Chemical splash goggles and/or face shield recommended.

**Skin and Body Protection:** Wear protective gloves.



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**Respiratory Protection:**

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. Positive pressure supplied are respirators may be required for high airborne contaminant concentrations.

**General Hygiene Considerations:**

When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                             |
|--|-----------------------------|
| Appearance ( <i>physical state</i> )           | Liquid                      |
| Colour   | Pale yellow                 |
| Odor   | Disinfectant type           |
| Initial boiling point                          | 100°C                       |
| Freezing Point                                 | Approximately 0°C           |
| Evaporation rate                               | 1.0 (BuAc = 1)              |
| Flash point                                    | Does not sustain combustion |
| Upper / Lower flammability or explosive limits | Not available               |
| Vapor pressure                                 | Not available               |
| Vapor density                                  | Not available               |
| VOC content                                    | < 1                         |
| Water solubility                               | Complete                    |
| Specific gravity                               | 1.000                       |
| Auto-ignition temperature                      | Not available               |
| pH (concentrate)                               | 6.00 – 6.60                 |

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**

Stable under normal use, storage and transport conditions

**Conditions to Avoid:**

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible Materials:**

Strong oxidizing agents, anionic surfactants.

**Hazardous Decomposition Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Possibility of Hazardous Reactions:**

None under normal processing and storage.

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Inhalation:**

Not likely, due to the form of the product

**Eye Contact:**

Contact with eyes may cause serious eye damage

**Skin Contact:**

Contact may cause severe skin irritation

**Ingestion:**

May be harmful swallowed.



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Component Information

| Ingredient                              | LD50 Oral  | Species | LD50 Dermal   | Species | LC50 Inhalation | Species |
|---|------------|---------|---------------|---------|-----------------|---------|
| Alkyl dimethyl benzyl ammonium chloride | 800 mg/kg  | Rat     | Not available | -       | Not available   | -       |
| Octyl decyl dimethyl ammonium chloride  | 840 mg/kg  | Rat     | Not available | -       | Not available   | -       |
| Ethanol                                 | 7060 mg/kg | Rat     | Not available | -       | 20,000 ppm/10h  | Rat     |
| Ethoxylated Alcohols                    | 2700 mg/kg | Rat     | >5000 mg/kg   | Rabbit  | Not available   | -       |
| Tetrasodium EDTA                        | 3030 mg/kg | Rat     | >5000 mg/kg   | Rabbit  | Not available   | -       |

Information on Physical, Chemical and Toxicological Effects

Symptoms: Causes severe skin burns and eye damage. Causes serious eye damage.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Ingredient                              | Result | Species        | Exposure             |
|---|--------|----------------|----------------------|
| Didecyl dimethyl ammonium chloride      | LC50   | White sturgeon | 0 – 0 mg/L 96h       |
| Alkyl dimethyl benzyl ammonium chloride | LC50   | Striped bass   | 19.1 – 19.1 mg/L 96h |

Persistence and Degradability: Readily biodegradable

Bioaccumulation: No information available.

Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product

13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT: Not regulated

IATA: Not regulated



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IMDG: Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|                     |   |     |
|---------------------|---|-----|
| <b>TSCA:</b>        | United States Toxic Substances Control Act Section 8(b) Inventory | Yes |
| <b>DSL:</b>         | Canadian Domestic Substances List                                 | Yes |
| <b>NDSL:</b>        | Non-Domestic Substances List                                      | No  |
| <b>AICS:</b>        | Australian Inventory of Chemical Substances                       | Yes |
| <b>EINECS:</b>      | European Inventory of Existing Chemical Substances                | Yes |
| <b>ELINCS:</b>      | European List of Notified Chemical Substances                     | No  |
| <b>ENCS:</b>        | Japan Existing and New Chemical Substances                        | Yes |
| <b>IECSC:</b>       | China Inventory of Existing Chemical Substances                   | Yes |
| <b>KECL:</b>        | Korean Existing and Evaluated Chemical Substances                 | Yes |
| <b>PICCS:</b>       | Philippines Inventory of Chemicals and Chemical Substances        | Yes |
| <b>New Zealand:</b> | New Zealand Inventory   | Yes |

### US Federal Regulations

This product is considered a pesticide by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

**CERCLA Reportable Quantity:** No components are listed.

**SARA 313:** No ingredients of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

### US State Regulations

**California Proposition 65:** There are no chemicals listed.

**U.S. State Right-to-Know Regulations:** No ingredients have been listed.

## 16. OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

### Hazardous Material Information System (U.S.A.)

|                     |   |
|---------------------|---|
| Health              | 2 |
| Flammability        | 0 |
| Physical hazards    | 0 |
| Personal protection | B |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.



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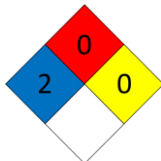
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The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health



Flammability

Instability/Reactivity

Special

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