

# MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards

## HMIS HAZARD RATINGS

# Gator

CHEMICAL CO.

|              |   |                   |             |
|--------------|---|-------------------|-------------|
| HEALTH       | 1 | 0 = INSIGNIFICANT | 3 = HIGH    |
| FLAMMABILITY | 0 | 1 = SLIGHT        | 4 = EXTREME |
| REACTIVITY   | 0 | 2 = MODERATE      |             |

## TRANSPORTATION INFORMATION

|                         |               |        |                |
|-------------------------|---------------|--------|----------------|
| PROPER SHIPPING NAME:   | Not Regulated |        |                |
| HAZARD CLASS / PKG GRP: | Not regulated | REF:   | Not Applicable |
| IDENTIFICATION NUMBER:  | None          | LABEL: | None Required  |

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

Page 1 of 2

**PRO QUAT**

|   |  |
|---|--|
| MANUFACTURER'S NAME<br>Gator Chemical               | EMERGENCY TELEPHONE NUMBER<br>CHEM • TEL (800) 255-3924 Outside USA (813) 248-0585 |
| ADDRESS (NUMBER, STREET, P.O. BOX)<br>P.O. Box 1990 | TELEPHONE NUMBER FOR INFORMATION<br>(727) 584-5174                                 |
| (CITY, STATE AND ZIP CODE)<br>Largo, FL 33779       | DATE PREPARED: February 7, 2004<br>SUPERSEDES: New                                 |

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| HAZARDOUS COMPONENTS<br><small>(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))</small> | CAS #      | %<br><small>(OPTIONAL)</small> | OSHA PEL        |       | ACGIH TWA |       | SARA<br>TITLE III | RQ<br>LBS |
|---|------------|--------------------------------|-----------------|-------|-----------|-------|-------------------|-----------|
|   |            |                                | PPM             | MG/M3 | PPM       | MG/M3 |                   |           |
| Diethylene glycol monobutyl ether (a)   | 112-34-5   | 5 - 10                         | not established |       |           |       | Yes               |           |
| Tetrasodium ethylenediaminetetraacetate hydrate                                     | 64-02-8    | 1 - 5                          | not established |       |           |       |                   |           |
| n-alkyl Dimethyl Benzyl Ammonium Chloride   | 68391-01-5 | 0.1                            | not established |       |           |       |                   |           |
| n-alkyl Dimethyl Ethylbenzyl Ammonium Chloride                                      | 68956-79-6 | 0.1                            | not established |       |           |       |                   |           |

(a) A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

## SECTION 3 - HEALTH HAZARD DATA

| ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE   | EMERGENCY AND FIRST AID PROCEDURES   |
|--|--|
| <b>INHALATION:</b> Exposure to vapors not likely. High concentrations may be irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise. | Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention. |
| <b>SKIN:</b> Brief contact may cause slight irritation; prolonged contact may cause moderate irritation.   | Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.        |
| <b>EYES:</b> Contact may cause slight temporary irritation. Corneal injury is unlikely.  | Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.                    |
| <b>INGESTION:</b> Small amounts ingested are not likely to cause injury. Ingestion of large amounts may cause headache, dizziness, diarrhea and general weakness.              | Do not induce vomiting unless directed to do so by medical personnel; never give anything by mouth to an unconscious person; seek medical attention.                     |

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

**MATERIAL SAFETY DATA SHEET**

IDENTITY (AS USED ON LABEL AND LIST)  
PRO QUAT

Page 2 of 2  
Date: February 7, 2004

**SECTION 4 - FIRE FIGHTING MEASURES**

|  |                     |   |
|--|---------------------|---|
| FLASH POINT (METHOD USED)<br>Non-flammable | NFPA RATING<br>None | FLAMMABLE LIMITS<br>LEL: Not applicable UEL: Not applicable |
|--|---------------------|---|

EXTINGUISHING MEDIA  
Carbon dioxide, water, water fog, dry chemical, chemical foam.

SPECIAL FIRE FIGHTING PROCEDURES  
Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
None

**SECTION 5 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. This is a regulated product, refer to SARA Title III, Section 313 40 CFR 372 for complete spill reporting regulations.

**SECTION 6 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

**SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

|   |  |
|---|--|
| VENTILATION<br>LOCAL EXHAUST: Recommended<br>MECHANICAL (GENERAL): Not required | SPECIAL: To maintain minimum TWA and STEL levels.<br>OTHER: Engineering and work controls as required. |
|---|--|

PROTECTIVE GLOVES: Neoprene gloves, butyl or nitrile rubber gloves with cuffs  
EYE PROTECTION: Protective eyeglasses or chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES**

|   |                                       |
|---|---------------------------------------|
| BOILING POINT<br>212° F                         | SPECIFIC GRAVITY (WATER = 1)<br>1.010 |
| VAPOR PRESSURE (MM Hg)<br>17 mm Hg @ 20 ° C     | pH<br>12.0                            |
| VAPOR DENSITY (AIR = 1)<br>> 1                  | EVAPORATION RATE (WATER = 1)<br>> 1   |
| SOLUBILITY IN WATER<br>Complete                 | % VOLATILE (BY WEIGHT)<br>96.9%       |
| APPEARANCE AND ODOR<br>Clear liquid, fresh odor |                                       |

**SECTION 9 - STABILITY AND REACTIVITY**

|                                       |  |
|---------------------------------------|--|
| STABILITY<br>UNSTABLE:<br>STABLE: XXX | CONDITIONS TO AVOID: Extreme temperatures. |
|---------------------------------------|--|

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

|   |                           |
|---|---------------------------|
| HAZARDOUS POLYMERIZATION<br>MAY OCCUR:<br>WILL NOT OCCUR: XXX | CONDITIONS TO AVOID: None |
|---|---------------------------|

**SECTION 10 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for alkaline materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.