

Material Safety Data Sheet

Cola[®] Quat HSDC

Colonial Chemical, Inc.
225 Colonial Drive
S.Pittsburg, TN 37380

Page 1 of 5
Emergency Telephone #
423/837-8800
Chemtrec 800/424-9300

SECTION 1 – IDENTIFICATION

1.1 Product Name: Cola[®] Quat HSDC
Product Use: Surfactant
Formula: Not applicable
Synonym: None

1.2 Company Name: Colonial Chemical, Inc.
Address: 225 Colonial Drive, South Pittsburg, TN 37380

1.3 Phone Number: 423-837-8800 / (Fax) 423-837-3800
Emergency Number: 423-837-8800 / Chemtrec 800-424-9300
**The chemtrec number is to be called only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

SECTION 2 – HAZARDOUS INGREDIENTS

| <u>Product</u> | <u>CAS</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|----------------|------------|-----------------|-------------------|
| Ethanol | 64-17-5 | 1000 ppm(skin) | 1000 ppm(skin)TWA |

Ingredients not precisely identified are proprietary or nonhazardous

SECTION 3 – HAZARDS IDENTIFICATION

3.1 Emergency overview:
Appearance: Paste
Physical State: Paste
Odor: Characteristic
Hazards of product: MAY CAUSE EYE AND SKIN IRRITATION
ASPIRATION MAY CAUSE IRRITATION

3.2 Effects of Single Exposure:
Eyes: May cause irritation, redness, blurred vision.
Skin: May cause irritation.
Inhalation: Mist may irritate mucous membranes.
Ingestion: Non-toxic. May cause abdominal discomfort, nausea, vomiting and diarrhea.

Effects of Repeated Exposure:
Eyes: Prolonged contact may cause irritation, redness, blurred vision.
Skin: Prolonged contact can cause dermatitis.
Inhalation: Mist can irritate mucous membranes.

Medical Conditions Aggravated by Exposure: Skin contact may aggravate an existing dermatitis.

SECTION 4 – FIRST AID PROCEDURES

- 4.1** Exposure to Eyes: Immediately flush with copious amounts of water for at least 15 minutes. Do not remove contacts if worn. Consult physician immediately.
- 4.2** Exposure to Skin: Immediately flush with copious amounts of soap and water for 15 minutes. Remove and launder contaminated clothing before reuse. If irritation persists, contact physician.
- 4.3** Exposure by Inhalation: Remove to fresh air. If irritation persists, contact physician.
- 4.4** Exposure by Ingestion: If patient is conscious and can swallow, give 2 glasses of water. Call physician or poison control immediately.
DO NOT INDUCE VOMITING.
- 4.5** Note to physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation).

SECTION 5 – FIRE FIGHTING MEASURES

- 5.1** Flash Point & Method: > 80°F, Pensky-Martens Closed Cup. ASTM D 93
- 5.2** Extinguishing Media: CO₂, Dry Chemical, BC/ABC Extinguishers.
- 5.3** Unusual Fire and Explosion Hazards: None known
- 5.4** Fire Fighting Procedures: Do not direct a solid stream of water or foam into hot, burning pools, this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and body-covering protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Containment: Soak up with sand or sweeping compound and dispose as solid waste. To avoid gelling and foaming problems, **do not** flush to industrial sewer.

SECTION 7 – HANDLING AND STORAGE

- 7.1** Handling: Use good hygiene practices when handling product to avoid contact with eyes, skin and clothing.
- 7.2** Storage: Keep container closed when not in use. Store between 50 – 100°F.
- 7.3** Other precautions: Prevent skin and eye contact. Avoid breathing this material.
Do not swallow.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | | |
|--------------------------------|------------------------------------|--|
| 8.1 Exposure Limits: | Ethanol (67-56-1) | 1000 ppm(skin) |
| 8.2 Personal Protection | Respiratory Protection: | Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed. |
| | Ventilation: | Not required under normal use. Misting operations may require adequate ventilation. |
| | Protective Gloves: | Impervious. |
| | Eye Protection: | Chemical goggles. |
| | Other Protective Equipment: | Wear protective clothing to prevent skin contact. Eyewash and safety showers in work area. |

8.3 Engineering Controls

Surfactants can cause foaming problems in biological wastewater treatment plants and other high shear operations.

Process Hazard: Sudden release of hot organic chemical vapor or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under vacuum, may result in ignitions without the presence of obvious ignition sources. Published “auto ignition” or “ignition” temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------------|-----------------|
| Physical State: | Paste |
| Appearance @ 70°F: | Opaque Paste |
| pH (1% Aqueous): | 4.0 – 6.0 |
| Solubility in Water (by weight): | Soluble |
| Odor: | Characteristic |
| Flash Point: | >80°F ASTM D 93 |
| Boiling Point: | 180°F |
| Freezing Point: | ND |
| % Volatile: | 54 - 56 |
| Specific Gravity @ 25°C: | 0.918 |
| Vapor Pressure @ 25°C: | ND |
| Vapor Density (air=1): | ND |
| % Water (By Wt.): | ND |
| Weight Per Gallon: | ND |
| % Solids: | 44 - 46 |
| Evaporation Rate (Butyl Acetate=1): | ND |
| Weight per gallon: | ND |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|---|---|
| 10.1 Stability: | Stable. |
| 10.2 Hazardous Polymerization: | Will not occur. |
| 10.3 Incompatibility: | Strong oxidizing agents / reducing agents. |
| 10.4 Conditions to Avoid: | Prolonged excessive heat may cause product decomposition. |
| 10.5 Hazardous Decomposition Products: | Oxides of carbon, nitrogen and ammonia |

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50/rat: >5,000 mg/kg
Practically non-toxic

Skin irritation:

Rabbit: Moderately irritating. (Primary skin irritation test)

SECTION 12 – ECOLOGICAL INFORMATION

Biodegradation:

Test Method: OECD 301D; EEC 92/69, C.4-E
Degree of elimination: 6%
Evaluation: Not readily biodegradable

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation

SECTION 14 – TRANSPORTATION INFORMATION

| | |
|-----------------------|--|
| Proper Shipping Name: | Flammable Solid, Organic, N.O.S (contains Ethanol) |
| DOT Hazard Class: | 4.1 |
| ID Number: | UN 1325 |
| Packing Group: | PG III |

SECTION 15 – REGULATORY INFORMATION

15.1 Federal/National

TSCA: **Listed**
CANADA (DSL): **Listed**

SARA TITLE III, Section 302, 304, 313: Ethanol (64-17-5)
SARA TITLE III, Section 311, 312: Acute Hazard – no
 Immediate Health Hazard – yes
 Fire – yes
 Pressure -- no
 Reactivity -- no

CERCLA:

WHMIS classification: **D2B: Materials Causing Other Toxic Effects – Toxic Material**
B4: Flammable Solid

**15.2 State/Local**

New Jersey Hazardous Substances: Ethanol (64-17-5)
 California Proposition 65: Ethanol (64-17-5)

SECTION 16 – OTHER INFORMATION

The above data is for information purposes only and is accurate to the best of Colonial Chemical, Inc.'s knowledge. No guarantees or liabilities are expressed or implied.

Colonial Chemical Inc. assigned HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, they must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS. This information is intended solely for the use of individuals trained in the particular hazard rating system.

| | |
|----------------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

REVISED 4-27-2010 / BARRY DELAUGHTER