

**Material Safety Data Sheet**  
**Cola<sup>®</sup> Cor 93**  
**Effective Date: 1-23-2007**

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

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

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**SECTION 1 – IDENTIFICATION**

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**1.1 Product Name:** Cola<sup>®</sup> Cor 93  
**Product Use:** Additive / Corrosion inhibitor  
**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.

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**SECTION 2 – COMPOSITION / INFORMATION OR INGREDIENTS**

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<u>Product</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
L-Aspartic acid, N-(3- carboxyl -1-oxo-2-propenyl)-N-octadecenyl -,bis(2-methylpropyl) ester	68906-34-3	No PEL established	No TLV established
(Z)-2-(8-Heptadecenyl)-4, 5-dihydro-1H-imadazole-1-ethanol	21652-27-7	No PEL established	No TLV established
Aminoethylethanolamine	111-41-1	No PEL established	No TLV established

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**SECTION 3 –HAZARDS IDENTIFICATION**

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**3.1 Emergency overview:**

Appearance: Amber Liquid  
Physical State: Liquid  
Odor: Characteristic  
Hazards of product: DANGER! CAUSES EYE AND SKIN IRRITATION  
ASPIRATION MAY CAUSE IRRITATION

**3.2 Effects of Single Exposure:**

**Eyes:** May cause severe irritation, redness, blurred vision.  
**Skin:** May cause irritation.  
**Inhalation:** Mist may irritate mucous membranes.  
**Ingestion:** Moderately toxic. May cause abdominal discomfort, nausea, vomiting and diarrhea.

**Effects of Repeated Exposure:**

**Eyes:** Prolonged contact can cause severe 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.

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#### SECTION 4 – FIRST AID PROCEDURES

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- 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).

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#### SECTION 5 – FIRE FIGHTING MEASURES

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- 5.1 Flash Point & Method:** > 200°F, Pensky-Martens Closed Cup. ASTM D 93
- 5.2 Extinguishing Media:** CO<sub>2</sub>, 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.

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#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

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#### SECTION 7 – HANDLING AND STORAGE

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- 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.

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## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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<b>8.1 Exposure Limits:</b>	No PEL established
<b>8.2 Personal Protection</b>	<b>Respiratory Protection:</b> Not required. <b>Ventilation:</b> Not required under normal use. Misting operations may require adequate ventilation. <b>Protective Gloves:</b> Impervious. <b>Eye Protection:</b> Chemical goggles. <b>Other Protective Equipment:</b> 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.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Liquid
Appearance @ 70°F:	Amber
pH (10% Aqueous):	ND
Solubility in Water (by weight):	Dispersible
Odor:	Characteristic
Flash Point:	>200°F ASTM D 93
Boiling Point:	235°F
Freezing Point:	ND
% Volatile:	0
Specific Gravity @ 25°C:	0.9607 gm/ml
Vapor Pressure @ 20°C:	ND
Vapor Density (air=1):	ND
% Water (By Wt.):	0
Weight Per Gallon:	ND
% Solids:	100
Evaporation Rate (Butyl Acetate=1):	ND

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**SECTION 10 – STABILITY AND REACTIVITY**


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

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**SECTION 11 – TOXICOLOGICAL INFORMATION**


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Dermal toxicity:

LD<sub>50</sub> rat—8g/kg                      24 hours                      practically non-toxic    03/08/1995

Skin contact:

Rabbit	Draize	72 hours (100% suspension)	Irritant	05/23/1985
Guinea pig	Buehler	(25% suspension)	Nonsensitizing	07/05/2001

Eye:

Rabbit Draize                      7 days                      Irritating                      06/26/1977

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**SECTION 12 – ECOLOGICAL INFORMATION**


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**12.1 Environmental Fate**

No data is available for this product.

**12.2 Ecotoxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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**SECTION 13 – DISPOSAL CONSIDERATIONS**


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

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**SECTION 14 – TRANSPORTATION INFORMATION**


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Proper Shipping Name:	Environmentally Hazardous Substance, N.O.S (contains amino succinic acid derivative)
DOT Hazard Class:	Class 9
ID Number:	UN 3082
Packing Group:	III
Marine Pollutant:	Classified as a marine pollutant
IMDG Class:	Class 9
IATA:	Class 9

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**SECTION 15 – REGULATORY INFORMATION**


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**15.1 Federal/National**

<b>TSCA:</b>	Listed
<b>EINECS:</b>	Listed
<b>OSHA:</b>	29 CFR 1910.1200- Irritant (eye)
<b>SARA TITLE III, Section 302, 304, 313:</b>	None
<b>SARA TITLE III, Section 311, 312:</b>	Delayed Hazard – no Immediate Health Hazard – yes Fire – no Pressure -- no Reactivity -- no
<b>CERCLA:</b>	None
<b>WHMIS:</b>	Class D, Division 2 –Toxic

**15.2 State/Local**

New Jersey Hazardous Substances:	Aminoethylethanolamine
Pennsylvania State Chemicals Regulated: As Hazardous	Ethanol, 2-[(2-aminoethyl)amino]

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**SECTION 16 – OTHER INFORMATION**


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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.

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<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

REVISED 6-18-2009 BARRY DELAUGHTER

