

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: CHELATE 100
Control Number: 00040
Product Description: Chelate

COMPANY IDENTIFICATION

Supplier: COLONIAL CHEMICAL SOLUTIONS, INC.
916 West Lathrop Avenue
Savannah, Georgia 31415

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC
General Information: (912) 236-1331

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Eye irritation Category 2A
Eye irritation Category 2A

[Environmental]

None

[Physical]

None

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Warning

Hazard statement(s)

H319 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Ethylenediaminetetraacetic Acid, Trisodium Salt	64-02-8	37-41
Sodium hydroxide	1310-73-2	0.5-02
Trisodium NTA	5064-31-3	0.5-02

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water. Cover the irritated skin with an emollient. Seek medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

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SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Oxides of carbon and various hydrocarbons

Fire Fighting Procedures: Not considered to be a fire hazard. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: **Extinguishing Media:** Not considered to be a fire or an explosion hazard.

SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Small Spill: Stop source of spill. Absorb on inert media and collect into suitable container.

Large Spill: Ventilate the area and shut off or plug source of spill. Dike area to contain spill. Restrict non-essential personnel from area. Salvage as much liquid as possible into a suitable container. Absorb residual on inert media and collect into suitable container. Flush area with water.

Personal Protection in Case of Spill: All personnel involved should wear appropriate protective equipment in accordance with the severity of the spill.

SECTION 7 - STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage: This material is a static accumulator. Use non-sparking tools. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Containers should be grounded and bonded.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:	Ethylenediaminetetraacetic Acid, Trisodium Salt	2 mg/m ³ ACGIH 2 mg/m ³ OSHA
	Sodium hydroxide	2 mg/m ³ ACGIH 2 mg/m ³ OSHA
	Trisodium NTA	No ACGIH or OSHA data

Eye Protection: Eye Protection when handling. Goggles, safety glasses with side shields or full-face shield are recommended.

Respiratory Protection: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Protective Clothing: Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other protective items.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Not combustible or flammable

Autoignition Temperature: °F

Boiling Point: 225 °F

Melting Point/Freezing Point: <0 °F

Vapor Pressure: No available data

Vapor Density (Air-1): 1

Odor/Appearance: Clear yellow liquid with slight ammonia odor.

Flammability Limits: Lower: Upper: 8

Specific Gravity: 1.25-1.33

Volatile %: No available data

Evaporation Rate (Water=1): No available data

pH: 11.5 (1% Soln.)

Solubility in Water: Miscible.

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.

Incompatible Materials: Strong oxidizing agents, Strong reducing agents, Strong bases

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.

Eyes: Vapors are irritating to the eyes. Liquid contact will cause stinging and tearing.

Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.

Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

Acute oral toxicity:

Trisodium EDTA: LD50 rat: No available data

Sodium Hydroxide: LD50 rat: No available data

Trisodium NTA: LD50 rat: No available data

Acute inhalation toxicity:

Trisodium EDTA: LC50 rat: No available data

Sodium Hydroxide: LC50 rat: No available data

Trisodium NTA: LC50 rat: No available data

Acute dermal toxicity:

Trisodium EDTA: LD50 rat: No available data

Sodium Hydroxide: LD50 rat: No available data

Trisodium NTA: LD50 rat: No available data

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: No available data

Bio-accumulative potential: No available data

Mobility: No available data

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Regulated Material

Hazard Class

UN Number:

Packaging Group:

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SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: This product contains no chemicals that are listed under the CWA.

Clean Air Act: This product contains no chemicals that are listed under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: September 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 0

Reactivity: 0

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