

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: NTA TRISODIUM SALT
Control Number: 00132
Product Description: Trisodium Nitrilotriacetate

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]

[Environmental]

[Physical]

Acute toxicity, Oral (Category 4)
Eye irritation Category 2A
Carcinogenicity Category 2

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Warning

Hazard statement(s)

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P330 Rinse mouth.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Nitrilotriacetic acid trisodium salt	5064-31-3	100

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SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

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

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. 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.

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, nitrogen (NOx), and sodium.

Incompatibles: No published information or data.

Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and structural firefighter's protective clothing.

Unusual Fire and Explosion Hazards: No unusual condition or data available.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Provide adequate ventilation. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Suitable protective clothing should be worn. Shut off or plug source of spill.

Small spills: sweep up and collect into suitable container.

Large Spills: Dike spill area to contain spillage. Salvage as much re-useable material as possible into a suitable container. Then sweep up and shovel into a suitable container for disposal according to regulations

SECTION 7 · STORAGE AND HANDLING

Handling: Further processing of solid materials may result in the formation of combustible dusts. Do not breathe dust or aerosols. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Avoid moisture and water sources.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Exposure Limits: Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

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

Respirators: 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.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Non-combustible solid
Autoignition Temperature: 392 °F
Boiling Point: Decomposes
Melting Point/Freezing Point: 572 °F
Vapor Pressure: Not applicable
Vapor Density (Air-1): Not applicable
Odor/Appearance: White crystalline solid with little to no odor.

Flammability Limits: Not applicable
Specific Gravity: 1.77
Volatile %: zero
Evaporation Rate (Water=1): Not applicable
pH: 2.6 (1% soln.)
Solubility in Water: 640 g/l

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Keep away from moisture and water.
Incompatible Materials: Strong oxidizing 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: Dust is irritating to the eyes. Contact will cause stinging and tearing.
Inhalation: Excessive inhalation of high concentrations may be harmful. Dust can irritate the throat and lungs.
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:

LD50 Rat: 18,000 mg/kg

Acute inhalation toxicity:

LC50 rat: No available data

Acute dermal toxicity:

LD50 rabbit: No skin irritation - 24 h

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: flow-through test LC50 - Pimephales promelas (fathead minnow) - 127 mg/l - 96 h
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, Chronic 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: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances 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: October 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

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.