



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** NTA ACID
- **Manufacturer:** Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70518 (337) 837-9931
- **For Emergency: Call CHEMTREC 1-800-424-9300 Outside the U.S.A. (703)-527-3887**
- **Contact Person:** Glenn Ray
- **Formula:** Nitrilotriacetic Acid
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Glycine, N,N-Bis(Carboxym	139-13-9	100	N/E	N/E	N/E	N/E	N/E

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure

Inhalation: This product may cause irritation to nose, throat, and respiratory tract

Skin Contact: This product may cause irritation to the skin.

Eye Contact: Irritation to eyes.

Ingestion: There may be irritation of the mouth, throat, and digestive tract.

SECTION 4. FIRST AID MEASURES

Eyes: Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

Inhalation: Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

Ingestion: Drink plenty water. Do not induce vomiting. If victim is drowsy or unconscious, place on left side with head down. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures: Use water fog, powder, foam, or CO₂ to extinguish fire.

Special Fire Fighting Procedures: Water spray to cool drums.

Explosive Properties:

LEL: N/D

UEL: N/D

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Use proper personal protective equipment. Stay upwind and away from spill. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Solidify and place in suitable containers.

Waste disposal method: Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

SECTION 7. HANDLING AND STORAGE

Storage: Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area.

Handling: Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling do not eat or drink.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated.

Protective clothing: Impermeable gloves and impervious clothing as appropriate.

Eye protection: Chemical goggles where splashing may occur.

Respiratory Protection: Use appropriate respiratory protection when handling or in case of insufficient ventilation.

Special Protection: Safety shower, eye bath, and washing facilities should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 75°F(H₂O = 1): N/A

Flash Point(PMCC Method)(°F): N/A

Vapor density (Air = 1): N/A

Solubility: Soluble in water.

Vapor pressure @ 75: N/D

Evaporation Rate: N/D

Appearance: White powder

Odor: None

Boiling Point(°F): N/A

pH: 2.5 as slurry

Auto-ignition: N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Smoke, carbon oxides.

Hazardous Polymerization: None described.

SECTION 11. TOXICOLOGICAL INFORMATION

Rat, oral LD50: >2000 mg/kg

Rabbit, primary skin irritation: Nonirritating

Rabbit, eye irritation: Irritating

Acute Overexposure Effects:

Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation.

Ingestion may result in gastric disturbances.

Chronic Overexposure Effects:

Nitritotriacetic acid was found to be carcinogenic to rats and mice in a National Cancer Institute (NCI) feeding study inducing tumors of the urinary tract and kidneys. In a drinking water study with rats, NTA was found to be carcinogenic to the kidneys. It is included in the NTP Annual Report on Carcinogens.

IARC has classified NTA and its salts in Group 2A. Pregnant rats receiving up to 0.5% NTA in their diet did not show evidence of teratogenicity.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability: N/D

Biodegradation: N/D

ErC50 (72 hours) *Skeletonema costatum*: N/D

LC50 (48 hours) *Acartia tonsa*: N/D



LC50 (10 days) Corophium voliotator: N/D
 Aquatic Toxicity: 96 HR LC50 (mysid shrimp) N/D
 Oil and grease content in slurry(Polymer 2 LB/BBL): N/D

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal: If spilled, dispose according to local, state, and federal regulations. Recycle waste containers and clean out residues.

SECTION 14. TRANSPORT INFORMATION

DOT Transport Information: NON REGULATED

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4(a)

<u>Component</u>	<u>CERCLA RQ (lbs)</u>
None	

SARA 302 Components-40 CFR 355 Appendix A

<u>Component</u>	<u>TPQ (Threshold Planning Quantity) (lbs)</u>
None	

Section 311/312 Hazard Class-40 CFR 370.2

- Immediate (X)
- Delayed (X)
- Fire ()
- Reactive ()
- Sudden Release of Pressure ()

SARA 313-40 CFR 372.65

<u>Component</u>	<u>CAS Number</u>	<u>%</u>
Glycine, N,N-Bis(Carboxym	139-13-9	100

SECTION 16. OTHER INFORMATION

NFPA RATING: Health (2) Fire (1) Reactivity (0)

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N/D= No data; N/A = Not available; N/E= Not established