

SAFETY DATA SHEET

NTA

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identification

Product Name: NTA

Synonyms: Nitritotriacetic Acid, Trisodium Salt, Monohydrate



Company Identification

Deep South Chemical, Inc.

229 Millstone Road

Broussard, LA 70518 USA

(337) 837-9931

(800) 424-9300 (Chemtrec) (For emergencies)

2. HAZARDS IDENTIFICATION

GHS Hazard Symbols:

Irritant, Health Hazard



GHS Hazard Statements:

H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H351 - Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H402 - Harmful to aquatic life

GHS Precautionary Statements:

P102 - Keep out of reach of children.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P273 - Avoid release to the environment.

P301/310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301/330/331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302/350 - IF ON SKIN: Gently wash with plenty of soap and water.

P303/361/353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304/340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308/313 - IF exposed or concerned: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

EMERGENCY OVERVIEW:

WARNING! Harmful if swallowed. Causes serious eye irritation. Suspected of causing cancer. Harmful to aquatic life.

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - C

EYE:

Causes serious eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

May cause irritation of the upper respiratory passages.

INGESTION:

Harmful if swallowed.

CHRONIC EFFECTS:

Suspected of causing cancer.

REPRODUCTIVE HAZARDS:

Positive results for Maternal Toxicity based on Animal test.

CARCINOGENICITY INFORMATION:

Trisodium nitrilotriacetate is classified as IARC 2B and NTP reasonably anticipated to be a human carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

100.0% NTA

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
TRISODIUM NITRILOTRIACETATE	Confidential	5064-31-3

NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
WATER	Confidential	7732-18-5

4. FIRST AID MEASURES**EYE CONTACT FIRST AID:**

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention if symptoms occur.

INHALATION FIRST AID:

If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

NOTES TO PHYSICIAN:

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

Use media appropriate for surrounding fire.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

Contain runoff water. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Smoke, Carbon Dioxide, Carbon Monoxide, & Oxides of Nitrogen. Metal oxide/oxides, hydrogen cyanide, ammonia.

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

Not Combustible.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment. Protect skin and eyes from exposure. If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for particulate matter.

INITIAL CONTAINMENT:

Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Approach release from upwind. Avoid dust generation. Do not dry sweep Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash hands before eating. Wash contaminated clothing before reuse. Do not inhale. Do not get in eyes, on skin or clothing. Do not breathe (dust, vapor, mist, gas).

HANDLING (PHYSICAL ASPECTS):

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials.

STORAGE PRECAUTIONS:

Store in a cool place in original container and protect from sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES:**

No Information Available.

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

EYE / FACE PROTECTION REQUIREMENTS:

A respiratory protection program that meets OSHA's 29 CFR 1910-134 and ANSI Z88-2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION REQUIREMENTS:

Neoprene gloves are recommended. Apron is recommended.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Crystalline Solid
COLOR:	White
ODOR:	N/A
BOILING POINT:	ND C
VAPOR PRESSURE:	ND psia
VAPOR DENSITY:	ND (Air = 1)
SOLUBILITY IN WATER:	457 g/L
SPECIFIC GRAVITY:	ND (Water = 1)
BULK DENSITY:	ND
MELTING/FREEZING POINT:	ND C
PH:	11.0
% VOLATILES:	ND %

10. STABILITY AND REACTIVITY**STABILITY:**

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

No materials to be especially mentioned.

DECOMPOSITION:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION**TRISODIUM NITRILOTRIACETATE**

Test Code: LC50 Inhalation

Description: 4 hours

Species: Rat

Results: >5 mg/l

Test Code: LD50 Oral

Species: Rat

Results: 1300 mg/kg

Test Code: NOAEL Dermal

Species: Rabbit

Results: >10,000 mg/kg

12. ECOLOGICAL INFORMATION**TRISODIUM NITRILOTRIACETATE**

Test Code: LC50

Description: 96 hours

Species: Crustaceans-Gammarus pseudolimnaeus

Results: 80 mg/l

Test Code: LC50

Description: 48 hours

Species: Daphnia

Results: 560 mg/l

Test Code: EC50

Description: 72 hours

Species: Algae - Desmodesmus subspicatus

Results: 91.5 mg/l

Test Code: LC50

Description: 27 days

Species: Fish - Oncorhynchus mykiss - Embryo

Results: 90.5 mg/l

13. DISPOSAL CONSIDERATIONS**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	NTA
D.O.T. SHIPPING NAME:	Not Regulated
TECHNICAL SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Not Regulated

UN NUMBER: N/A
 PRODUCT RQ (LBS): N/A
 D.O.T. LABEL: N/A
 D.O.T. PLACARD: N/A
 BULK CLASS: N/A
 PACKAGE CLASS: PG III

MISCELLANEOUS:
 Not a Marine Pollutant.

15. REGULATORY INFORMATION

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, chronic hazards.

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

16. OTHER INFORMATION

REASON FOR ISSUE: Revised
 PREPARED BY: Glenn Ray
 APPROVED BY: Glenn Ray
 TITLE: Chief Operating Officer
 APPROVAL DATE: April 23, 2015

REVISION STATEMENT:

Formulation of product has not changed. All sections have been updated into GHS format.

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Deep South Chemical, Inc.. The data on this sheet are related only to the specific material designated herein. Deep South Chemical, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
