

# Safety Data Sheet



Superior Solutions

Zep, Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** T'N'T  
**Product use** Truck and Trailer Wash  
**Product code** 0376  
**Date of issue** 11/20/12 **Supersedes** 01/23/12

## Emergency Telephone Numbers

### For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

### For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

### For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

## Prepared By

Compliance Services  
1259 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

#### WARNING

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

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**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

#### Skin

Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

#### Inhalation

Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. May cause irritation of respiratory tract, coughing, shortness of breath.

#### Ingestion

May be harmful if swallowed. Ingestion may cause nausea, diarrhea and vomiting.

### Chronic effects

Prolonged skin contact may cause dermatitis with drying and cracking of skin. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Contains material which may cause damage to the following organs: liver, cardiovascular system, eyes.

### Carcinogenicity Classification

Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
trisodium nitrilotriacetate	-	2B	-	-	-	-

**Additional information:** See toxicological information (Section 11)

## Section 3. Composition/Information on Ingredients

Name	CAS number	%
Tetrasodium EDTA; tetrasodium ethylene diamine tetraacetate	64-02-8	5-10
Alcohols, C10-14, ethoxylated	66455-15-0	1-5
sodium xylenesulphonate	1300-72-7	1-5
disodium metasilicate	6834-92-0	1-5

**Section 4. First Aid Measures**

- Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
- Ingestion** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)



- Flash Point** Not available.
- Flammable Limits** Not available.
- Flammability** Non-combustible.
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire.

**Section 6. Accidental Release Measures**

- Spill Clean up** Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

- Handling** Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Do not ingest. Do not reuse container. Observe label precautions. Wash thoroughly after handling.
- Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Personal Protective Equipment (PPE)**

- Eyes** Safety glasses.
- Body** Wear appropriate protective clothing to prevent skin contact.  
Recommended: Neoprene, Nitrile or Rubber gloves.
- Respiratory** No special protection is required.

**Section 9. Physical and Chemical Properties**

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|-------------------------|--|-------------------------|-----------------------------|
| <b>Physical State</b>   | Liquid.  | <b>Color</b>            | Clear. Colorless.           |
| <b>pH</b>               | 12.2 to 12.8   | <b>Odor</b>             | Mild.                       |
| <b>Boiling Point</b>    | 100°C (212°F)  | <b>Vapor Pressure</b>   | Not available.              |
| <b>Specific Gravity</b> | 1.076  | <b>Vapor Density</b>    | Not available.              |
| <b>Solubility</b>       | Easily soluble in the following materials: cold water and hot water. | <b>Evaporation Rate</b> | 1 (Water = 1)               |
|                         |  | <b>VOC (Consumer)</b>   | 0 % (w/w) 0 lbs/gal (0 g/l) |

**Section 10. Stability and Reactivity**

- Stability and Reactivity** The product is stable.
- Incompatibility** Reactive or incompatible with the following materials: oxidizing materials and acids.
- Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.
- Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub> etc.)

**Section 11. Toxicological Information**

Product/ingredient name	Result	Species	Dose	Exposure
Tetrasodium EDTA; tetrasodium ethylene diamine tetraacetate	LD50 Oral	Rat	10 g/kg	-
trisodium nitrilotriacetate	LD50 Oral	Rat	1100 mg/kg	-
disodium metasilicate	LD50 Oral	Rat	1153 mg/kg	-

**Section 12. Ecological Information**

**Environmental Effects** Not available.

**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Tetrasodium EDTA; tetrasodium ethylene diamine tetraacetate	Acute EC50 610 mg/l	Daphnia	24 hours
trisodium nitrilotriacetate	Acute LC50 486000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 185000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 560000 to 1000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 98000 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 100000 µg/l Fresh water	Algae - Algae - Exponential growth phase	96 hours
	Chronic NOEC 100000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
disodium metasilicate	Acute EC50 33.53 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 2320 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Chronic NOEC 160 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: D002  
Classification: Hazardous waste  
Origin: RCRA waste.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	-	-	-	
IMDG Class	Not regulated.	-	-	-	

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations****California Prop 65**

No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.  
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

KOD/KLM/LMW