

# SAFETY DATA SHEET

1 of 7

## TST Green RV Toilet Treatment

### Section 1- Chemical Product and Company Identification

**Product Name:** TST RV Toilet Treatment

**Supplier:** Camco Manufacturing, Inc.  
121 Landmark Drive  
Greensboro, NC 27409  
1-800-334-2004

**Product Use:** Toilet Treatment / Odor Control

**Product Code:** 40221, 40222, 40224, 40225, 40226, 40227, 40228 and 40229

**Date of Preparation/Revision:** October 7, 2014

**In case of Emergency:** 1-800-535-5053

### Section 2- Hazards identification

**Physical State:** Liquid. [CLEAR, GREEN, LIQUID WITH CHARACTERISTIC FLORAL ODOR]



#### **WARNING**

##### **GHS Classifications**

Acute Oral Toxicity (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

##### **Hazard Statements**

H302 Harmful if swallowed

H315 Causes skin irritation.

H319 Causes serious eye irritation.

##### **Precautionary statements**

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

##### **Response statements**

P301 + 311 IF SWALLOWED: Call a Poison Center or Doctor.

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

P321 Specific treatment (see First Aid Measures on Safety Data Sheet)

##### **Disposal**

P501 Dispose of contents/container in accordance with local/regional/national regulations

**WARNING!** This product may be harmful or fatal if swallowed. This product is irritating to the eyes, respiratory system and skin. This product is an aqueous solution which will not burn. However, if evaporated to dryness this product is an oxidizer and can sustain combustion. Irritating and toxic fumes and gases may be released upon thermal processing or during combustion.

# SAFETY DATA SHEET

2 of 7

## TST Green RV Toilet Treatment

### Potential Health Effects: Eyes

Contact with the eyes can cause moderate irritation. Symptoms may include discomfort or pain and redness. Severe over exposure can result in swelling of the conjunctiva along with tissue damage which may lead to blindness.

### Potential Health Effects: Skin

This product is irritating to the skin. Depending on the duration of contact, symptoms will include reddening, discomfort, irritation, and possible tissue damage. Repeated contact with this material may produce dermatitis.

### Potential Health Effects: Ingestion

This product may be harmful or fatal if swallowed. If ingested, this product will immediately cause burns to the mouth, throat, esophagus and possibly the digestive tract. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product may cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

### Potential Health Effects: Inhalation

This product is irritating to the respiratory system. Inhalation of vapors or mists of the product can cause sneezing, coughing and difficulty breathing.

### Medical Conditions Aggravated by Exposure

Pre-existing skin and eye conditions.

### HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

See toxicological information (section 11)

## Section 3 - Composition, Information on Ingredients

<u>Name</u>	<u>CAS Number</u>	<u>% Volume</u>
Calcium Nitrate Tetrahydrate	13477-34-4	25 -30%

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Water Dissociable Nitrate Compounds.

### Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is considered hazardous under the criteria specified in the Canadian Workplace Hazardous Materials Information System (WHMIS).

## Section 4 - First Aid Measures

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

<b>Eye contact</b>	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
<b>Skin contact</b>	For skin contact, wash immediately with soap and water. If irritation persists get medical attention.
<b>Ingestion</b>	If material is ingested, immediately contact a physician or poison control center. Give one to two glasses of water or milk. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Inhalation</b>	If inhaled, immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration. If irritation persists get medical attention.
<b>Notes to Physician</b>	Provide general supportive measures and treat symptomatically.

# SAFETY DATA SHEET

3 of 7

## TST Green RV Toilet Treatment

### Section 5 - Fire-Fighting Measures

**Flash Point:** Not flammable

**Upper Flammable Limit (UFL):** Not applicable

**Auto Ignition:** Not flammable

**Rate of Burning:** Not applicable

**Method Used:** Not applicable

**Lower Flammable Limit (LFL):** Not applicable

**Flammability Classification:** Non-flammable

#### **General Fire Hazards**

This product is an aqueous solution which will not burn. However, if evaporated to dryness this product is an oxidizer and can sustain combustion.

#### **Hazardous Combustion Products**

Decomposition may yield calcium compounds and oxides of nitrogen.

#### **Extinguishing Media**

Dry chemical, foam, carbon dioxide, water fog.

#### **Fire Fighting Equipment/Instructions**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Other: none**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Section 6 - Accidental release measures

#### **Containment Procedures**

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Contain the discharged material and dike the spilled material where possible. Prevent entry into sewers, drains, underground or confined spaces, water intakes and waterways.

#### **Clean-Up Procedures**

Absorb spill with inert material such as: lime, polypads, or other suitable absorbent material. Shovel the absorbed material into appropriate container for disposal.

#### **Evacuation Procedures**

Isolate area. Keep unnecessary personnel away.

#### **Special Procedures**

Isolate exposure. Wear appropriate personal protective equipment. Follow all Local, State, Federal and Provincial regulations for disposal.

### Section 7- Handling and Storage

#### **Handling Procedures**

Open container carefully, as needed to relieve any build up of pressure. Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling.

#### **Storage Procedures**

Store in a cool, dry area. Do not freeze. Store away from direct sunlight and any sources of heat. Empty product containers may contain product residue. Do not reuse empty containers. Do not store this material in open or unlabeled containers.

### Section 8 - Exposure Controls / Personal Protection

#### **Exposure Guidelines**

##### **A: General Product Information**

Keep formation of airborne mists to a minimum.

##### **B: Component Exposure Limits**

# SAFETY DATA SHEET

4 of 7

## TST Green RV Toilet Treatment

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

### Engineering Controls

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Wear chemical goggles and face shield.

#### Personal Protective Equipment: Skin

Wear impervious (neoprene) gloves, impervious apron.

#### Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors or mists, appropriate approved NIOSH respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

#### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended. An emergency spill response will necessitate the use of more stringent personal protective equipment.

### Section 9 - Physical and Chemical Properties

<b>Appearance:</b>	Transparent Green Liquid
<b>Odor:</b>	Fresh Fragrance
<b>Physical State:</b>	Liquid
<b>pH: (@59°F / 15°C)</b>	6.0 to 8.0
<b>Vapor pressure:</b>	Not Applicable
<b>Vapor density:</b>	Not Applicable
<b>Boiling Point:</b>	>212°F (>100°C)
<b>Melting Point:</b>	Not Determined
<b>Solubility:</b>	Completely
<b>Specific Gravity: (@59°F / 15°C)</b>	1.130 – 1.140
<b>Freeze Point:</b>	5°F (-15°C)
<b>Flash Point (PMCC):</b>	Not Flammable
<b>Auto-ignition Temperature:</b>	Not Flammable
<b>Flammable Limits in Air by Volume:</b>	Not Applicable
<b>Evaporation Rate:</b>	Similar to Water
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity (cps):</b>	< 20cps

#### Physical Properties: Additional Information

No additional information available

### Section 10 - Stability and Reactivity

#### Chemical Stability

This is a stable material.

# SAFETY DATA SHEET

5 of 7

## TST Green RV Toilet Treatment

### **Chemical Stability: Conditions to Avoid**

Avoid contact with extreme heat and incompatible materials.

### **Incompatibility**

This product is incompatible with flammable and combustible materials, strong reducing agents and finely powdered metals.

### **Hazardous Decomposition**

Decomposition may yield calcium compounds and oxides of nitrogen.

### **Hazardous Polymerization**

Will not occur.

## **Section 11 - Toxicological Information**

### **Acute and Chronic Toxicity**

#### **A: General Product Information**

No information available for the product.

The nitrate component of this product may cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

#### **B: Component Analysis - LD50/LC50**

##### **Calcium Nitrate Tetrahydrate (13477-34-4)**

Oral LD50 Rat : 3900 mg/kg

### **Carcinogenicity**

#### **A: General Product Information**

No carcinogenicity data available for this product.

#### **B: Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### **Chronic Toxicity**

No information available for the product.

### **Epidemiology**

No epidemiological data is available for this product.

### **Neurotoxicity**

No data available for this product.

### **Mutagenicity**

No data available for this product.

### **Teratogenicity**

No data available for this product.

### **Other Toxicological Information**

No additional information available.

## **Section 12 - Ecological Information**

### **Ecotoxicity**

#### **A: General Product Information**

In high concentrations, this product may be harmful to both terrestrial and aquatic plant or animal life.

#### **B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

No ecotoxicity data are available for this product's components.

### **Environmental Fate**

No data available for this product.

# SAFETY DATA SHEET

6 of 7

## TST Green RV Toilet Treatment

### Section 13 - Disposal Considerations

#### US EPA Waste Number & Descriptions

##### A: General Product Information

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

##### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

##### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### Section 14 - Transport information

#### US DOT Information

This material is not hazardous as defined by 49CFR 172.101 by the US Department of Transportation.

#### IMDG

*Refer to Current IMDG regulations for full shipping description requirements*

#### IATA

*This material is not prepared or packaged for air transportation*

*International shipping requirements must be determined by the party offering the material for transportation*

### Section 15 - Regulatory Information

#### U.S. Federal regulations

##### A: General Product Information

No additional information available.

##### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

##### **Calcium Nitrate Tetrahydrate (13477-34-4)**

**SARA 313:** form R reporting required for 1.0% de minimis concentration; Chemical Category N511 (related to Water Dissociable Nitrate Compounds)

**SARA 311/312:** Acute Health Yes Chronic Health No Fire No Pressure No Reactive No

#### State regulations

**Connecticut Carcinogen Reporting:** This material is not listed.

**Connecticut Hazardous Material Survey:** This material is not listed.

**Florida substances:** This material is not listed.

**Illinois Chemical Safety Act:** This material is not listed.

**Illinois Toxic Substances Disclosure to Employee Act:** This material is not listed.

**Louisiana Reporting:** This material is not listed.

**Louisiana Spill:** This material is not listed.

**Massachusetts Spill:** This material is not listed.

**Massachusetts Substances:** This material is listed.

# SAFETY DATA SHEET

7 of 7

## TST Green RV Toilet Treatment

**Michigan Critical Material:** This material is not listed.

**Minnesota Hazardous Substances:** This material is not listed.

**New Jersey Hazardous Substances:** This material is listed.

**New Jersey Spill:** This material is not listed.

**New Jersey Toxic Catastrophe Prevention Act:** This material is not listed.

**New York Acutely Hazardous Substances:** This material is not listed.

**New York Toxic Chemical Release Reporting:** This material is not listed.

**Pennsylvania RTK Hazardous Substances:** This material is listed.

**Rhode Island Hazardous Substances:** This material is not listed.

**California Prop 65 Warning:** This material is not listed.

### Additional Regulatory Information

#### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

Calcium Nitrate Tetrahydrate is a hydrate of an anhydrous form that is on the US TSCA and Canadian DSL inventories, and can be referenced under the parent compound name.

### Section 16 - Other information

<b>NFPA CODES:</b> Health	1
Flammability	0
Reactivity	0

Note - NFPA ratings are based on a 0-4 rating scale with 0 representing minimal hazards or risks and 4 representing extreme hazards or risks.

**Date of Preparation/Revision: October 7, 2014** (Supersedes all previous MSDS and SDS)

### DISCLAIMER

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Camco Manufacturing, Inc., to be accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. It is the responsibility of the user to determine the safety, toxicity and suitability of their own use, handling and disposal of this product.