

# MATERIAL SAFETY DATA SHEET

Total Solutions  
P.O. Box 240014  
Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

REVISION DATE: May 16, 2005  
DATE OF ISSUE: June 2, 2005

## I - Product Identification

### Enviro-Terra RTU

PRODUCT CODE: 0139

CHEMICAL FORMULATION: Water based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

| SUBSTANCE       | APPROX    | OSHA          | ACGIH         | EPA 40 CFR: |     |     | CAS #    |
|-----------------|-----------|---------------|---------------|-------------|-----|-----|----------|
|                 | %         | PEL           | TLV           | 302         | 355 | 372 |          |
| Organic salt    | 1.00-5.00 | N/E           | N/E           | N           | N   | N   | 506-89-8 |
| 2-butoxyethanol | < 1.00    | 25 ppm (skin) | 25 ppm (skin) | N           | N   | Y   | 111-76-2 |

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.01  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): < 1.00  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Soluble pH: 0.2-1.2  
APPEARANCE AND ODOR: Clear, dark green liquid; pleasant odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Hydrogen gas may be released upon contact with certain metals at sustained temperatures above 140 °F

---

**V - Reactivity Data**

---

**STABILITY:** Stable**INCOMPATIBILITY:** Strong oxidizers and alkalis, chlorates, nitrates.**CONDITIONS TO AVOID:** Excess heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None.

---

**VI - Health Hazard Data**

---

**ROUTES OF ENTRY**      **INHALATION:**      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:** X**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.**EFFECTS OF OVEREXPOSURE****IF IN EYES:** May be painful and irritating.**IF ON SKIN:** Irritation, with prolonged or repeated exposure. Non-corrosive to skin**IF SWALLOWED:** May be harmful if ingested.**IF INHALED:** Irritation to the respiratory tract if inhaled as a mist.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person 3 to 4 glasses of water to dilute. Do not induce vomiting. Never give anything to an unconscious person.**IF INHALED:** Remove person to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

---

**VII - Spill or Leak Protection**

---

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and contain spill. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

---

**VIII - Special Protection Information**

---

**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe vapors or mists.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant gloves are recommended.**EYE PROTECTION:** Safety glasses or chemical goggles are recommended.**OTHER PROTECTIVE EQUIPMENT:** Eye wash station, protective clothing.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from alkaline products. Do not mix with any other cleaning chemicals. Keep container tightly closed when not in use.**OTHER PRECAUTIONS:** Keep out of reach of children.

---

**IX - Transportation Information (ground transportation only)**

---

**DOT PROPER SHIPPING NAME:** None**DOT CLASS:** None**DOT ID NUMBER:** None**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: May 16, 2005

Prepared by: Technical Dept

DATE OF ISSUE: June 2, 2005

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.