

Safety Data Sheet



Zep, Inc.
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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name TUFF GREEN R.T.U. (GreenLink)
Product use All Purpose Cleaner - Ready-To-Use
Product code 0650
Date of issue 06/20/13 **Supersedes** 08/11/08

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
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

CAUTION

MAY CAUSE EYE IRRITATION.

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



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.

Eyes Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching.

Skin No known acute effects of this product resulting from skin contact.

Inhalation No known acute effects of this product resulting from inhalation.

Ingestion No known significant effects or critical hazards.

Chronic effects Prolonged or repeated contact may dry skin and cause irritation.

Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
Dipropylene glycol monobutyl ether; Glycol Ether DPnB; 1-(2-butoxy-1-methylethoxy) propan-2-ol	29911-28-2	1-5

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact Rinse with plenty of running water. Get medical attention if irritation develops.

Inhalation Inhalation not likely under normal use conditions. If inhaled, remove to fresh air.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. 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** None.**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. Avoid prolonged or repeated contact with skin. Do not ingest. Wash thoroughly after handling. Do not reuse container.

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**Product name****Exposure limits**

No exposure limit value known.

Personal Protective Equipment (PPE)**Eyes** Safety glasses.**Body** For prolonged or repeated handling, use the following type of gloves: Rubber gloves. Neoprene gloves. Nitrile gloves.**Respiratory** No special protection is required.**Section 9. Physical and Chemical Properties****Physical State** Liquid.**Color** Clear. Green. [Light]**pH** 11.5 - 12.5**Odor** Citrus**Boiling Point** 100°C (212°F)**Vapor Pressure** Not determined.**Specific Gravity** 1**Vapor Density** Not determined.**Solubility****Evaporation Rate** 1 (Water = 1)

Soluble in the following materials: cold water and hot water.

VOC (Consumer) 0.039 % (w/ 0.00322 lbs/gal (0.39 g/

w) l)

Section 10. Stability and Reactivity**Stability and Reactivity** The product is stable.**Incompatibility** Slightly reactive or incompatible with the following materials: oxidizing materials and acids.**Hazardous Polymerization** Not available.**Hazardous Decomposition Products** carbon oxides (CO, CO₂)**Section 11. Toxicological Information****Acute Toxicity**

1-(2-butoxy-1-methylethoxy)propan-2-ol

LD50 Dermal

Rabbit

>2000 mg/kg

LD50 Oral

Rat - Female

3700 mg/kg

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Section 12. Ecological Information**Environmental Effects** No known significant effects or critical hazards.**Aquatic Ecotoxicity**

1-(2-butoxy-1-methylethoxy)propan-2-ol	-	Acute EC50 >1000 mg/l Acute LC50 841 mg/l	Daphnia Fish	96 hours 96 hours
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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 Non-hazardous 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) 307: 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/LMW