

Material Safety Data Sheet



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 VERDIZA
(GreenLink)
Product use General Purpose Cleaner - Liquid Concentrate
Product code 1254
Date of issue 02/12/09 **Supersedes**

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

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Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

WARNING !

CAN CAUSE EYE IRRITATION. MAY CAUSE SKIN 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

Inhalation. Ingestion.

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

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

Inhalation Avoid breathing vapor or mist. May cause respiratory tract irritation.

Ingestion DO NOT swallow this product. Can cause gastrointestinal disturbances.

Chronic effects

There is no known chronic effect after exposure to this product.

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

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

| | CAS number | % by Weight |
|---|------------|-------------|
| HYDROGEN PEROXIDE; peroxide | 7722-84-1 | <10 |
| DIPROPYLENE GLYCOL N-PROPYL ETHER; 2-propanol, 1-(1-methyl-2-propoxyethoxy) | 29911-27-1 | <10 |

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Flush 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. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If irritation persists, get medical attention.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

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

Flash Point Closed cup (Tagliabue.):
Higher than 93.3°C (200°F).

Flammable Limits Not determined.

Flammability Non-combustible.

Fire hazard Substance releases oxygen when heated, which may increase the severity of an existing fire.
Cool closed containers exposed to fire with water.



Fire-Fighting Procedures

Wear special protective clothing and positive pressure, self-contained breathing apparatus.

Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not wear leather. Wash contaminated clothing before reusing.

Storage Do not store below 0°C or above 35°C. Keep away from heat and direct sunlight. Exposure to heat and sunlight accelerates decomposition. Avoid contact with wood. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

HYDROGEN PEROXIDE; peroxide

Exposure limits

ACGIH TLV (United States).

TWA: 1 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 1 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Safety glasses.

Body Neoprene, Nitrile, or Rubber Gloves

Respiratory Use with adequate ventilation. Avoid breathing vapor or mist.

**Section 9. Physical and Chemical Properties**

Physical State Thin liquid

pH 3.5-4.0

Boiling Point 104.4°C (220°F)

Specific Gravity 1.03

Solubility Easily soluble in the following materials: cold water.

Color Green

Odor This product contains a Clean and Fresh fragrance.

Vapor Pressure Not determined.

Vapor Density Not determined.

Evaporation Rate 1 (Water = 1)

VOC (Consumer) <0.1% as used

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive or incompatible with the following materials: flammables, cyanides, oxidizing agents, and reducing agents.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Exposure to heat and exposure to sunlight accelerates decomposition.

Section 11. Toxicological Information**Acute Toxicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|-----------------------------------|-------------|---------|-------------|----------|
| Hydrogen Peroxide | LD50 Oral | Rat | 1232 mg/kg | - |
| Dipropylene Glycol N-propyl Ether | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >1500 mg/kg | - |

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity

| Product/ingredient name | Test | Result | Species | Exposure |
|-------------------------|------|----------------------|---------|----------|
| Hydrogen Peroxide | - | Acute LC50 16.4 mg/L | Fish | 96 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: - (None.)

Classification: - (Non-hazardous waste)

Section 14. Transport Information

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label |
|---------------------------|-----------------|----------------------|-----------------|-----|-------|
| DOT Classification | Not regulated. | None. | - | - | |
| IMDG Class | Not determined. | Not determined. | Not determined. | - | |

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.