

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 ZEP TRITON
Product use Cleaner. Disinfectant. Sanitizer.
Product code 1215, N690
Date of issue 09/21/10 **Supersedes** 02/26/08

This product is a registered pesticide. EPA ID No. 6836-78-1270

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

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Section 2. Hazards Identification

Emergency overview

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

DANGER !

3 2 0

CAUSES EYE AND SKIN BURNS. MAY BE HARMFUL IF
ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED.

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 burns. Direct contact with the eyes can cause irreversible damage, including blindness.

Skin

Causes skin burns. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Inhalation

Avoid direct inhalation of spray. Over-exposure by inhalation may cause respiratory irritation.

Ingestion

Harmful if swallowed. May cause burns to mouth, throat and stomach.

Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS), optic nerve.

Carcinogenicity

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

Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

OSHA

None.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

QUATERNARY AMMONIUM CHLORIDES; Blend of alkyldimethylbenzyl ammonium chlorides, alkyl dimethyl ammonium chlorides, ethanol

68424-85-1;
68424-95-3; 64-17-
5

15 - 25

ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate

68439-46-3

1 - 10

TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt

64-02-8

1 - 5

ETHANOL; ethyl alcohol; grain alcohol

64-17-5

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 immediately.
Skin Contact	Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if irritation develops. Wash clothing before reuse.
Inhalation	Move exposed person to fresh air. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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	Closed cup: 51.66°C (125°F)
Flammable Limits	Not determined.
Flammability	Product may flash, but will not sustain combustion.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. May emit toxic fumes under fire conditions.
Fire-Fighting Procedures	Use dry chemical, CO ₂ , water spray (fog) or foam.

Section 6. Accidental Release Measures

Spill Clean up	Eliminate all ignition sources. 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. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Observe label precautions.
Storage	Store and use away from heat, sparks, open flame or any other ignition source. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

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

ETHANOL; ethyl alcohol; grain alcohol

Exposure limits**NIOSH REL (United States, 6/2009).**

TWA: 1000 ppm 10 hour(s).

TWA: 1900 mg/m³ 10 hour(s).**OSHA PEL (United States, 11/2006).**

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m³ 8 hour(s).**ACGIH TLV (United States, 1/2009).**

STEL: 1000 ppm 15 minute(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m³ 8 hour(s).**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles or face shield.
Body	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves. Wear apron or coverall if there is a risk of exposure to splashes.
Respiratory	Use with adequate ventilation. Use appropriate respiratory protection if there is a risk of exceeding any exposure limits.

Section 9. Physical and Chemical Properties

Physical State Liquid.
pH 12.5 - 13.5
Boiling Point Not determined.
Specific Gravity 1.01
Solubility Soluble in the following materials: cold water and hot water.

Color Green. [Dark]
Odor Odorless.
Vapor Pressure Not determined.
Vapor Density Not determined.
Evaporation Rate 1 (Water = 1)
VOC (Consumer) 2.7% 0.23 (lb/gal) 27 (g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Slightly reactive or incompatible with the following materials: oxidizing materials.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products May emit toxic fumes under fire conditions. carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
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Section 12. Ecological Information

Environmental Effects Not available.

Aquatic Ecotoxicity

Not available.

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: D001, D002
Classification: - [Hazardous waste]
Origin: - [RCRA waste.]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	UN1903	DISINFECTANTS, CORROSIVE, LIQUID, N.O.S. (Quaternary Ammonium Chlorides)	8	III	
MDG Class	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.

TSCA 8(a) IUR: Alkyl(C9-11) alcohol, ethoxylated

State Regulations

California Prop 65

WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.:
Benzene; Benzyl chloride; Propylene oxide; Toluene

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.