

Material 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 ZEP METER MIST CINNAMON (GreenLink)
Product use Aerosol Room Deodorizer/Odor Counteractant
Product code 3271
Date of issue 12/14/09 **Supersedes** 08/12/08

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

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Prepared By

Compliance Services
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Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

WARNING

MAY CAUSE EYE IRRITATION.

CONTENTS UNDER PRESSURE.

*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

Eye contact. Inhalation.

Eyes

Direct contact may cause irritation and redness. 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 direct inhalation of spray. Over-exposure by inhalation may cause respiratory irritation.

Ingestion

May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Chronic effects

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

Carcinogenicity

No known significant effects or critical hazards.

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

| | | |
|--|------------|---------|
| ACETONE; dimethyl ketone | 67-64-1 | 55 - 65 |
| PROPANE; liquefied petroleum gas | 68476-85-7 | 20 - 30 |
| ETHANOL; ethyl alcohol; grain alcohol | 64-17-5 | 1 - 10 |
| PROPYLENE GLYCOL; 1,2-dihydroxypropane,1,2-propanediol | 57-55-6 | 1 - 10 |

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

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

Inhalation

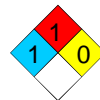
Move exposed person to fresh air. If irritation persists, get medical attention.

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 | Not available. |
| Flammable Limits | Not available. |
| Flammability | Non-flammable. (CSMA Method) |
| Fire hazard | CONTENTS UNDER PRESSURE. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Bursting aerosol containers may be propelled from a fire at high speed. |
| Fire-Fighting Procedures | Use an extinguishing agent suitable for the surrounding fire. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment. |

Section 6. Accidental Release Measures

Spill Clean up Large spills are unlikely due to packaging.

Section 7. Handling and Storage

| | |
|-----------------|--|
| Handling | Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Observe label precautions. Wash thoroughly after handling. |
| Storage | CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. |

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

ACETONE; dimethyl ketone

Exposure limits**ACGIH TLV / OSHA PEL (United States).**

TWA: 750 ppm 8 hour(s).

ACGIH / OSHA (United States).

STEL: 1000 ppm 15 minute(s).

ACGIH TLV (United States, 1/2009).

TWA: 500 ppm 8 hour(s).

TWA: 1188 mg/m³ 8 hour(s).

STEL: 750 ppm 15 minute(s).

STEL: 1782 mg/m³ 15 minute(s).**OSHA PEL 1989 (United States, 3/1989).**

TWA: 750 ppm 8 hour(s).

TWA: 1800 mg/m³ 8 hour(s).

STEL: 1000 ppm 15 minute(s).

STEL: 2400 mg/m³ 15 minute(s).**NIOSH REL (United States, 6/2008).**

TWA: 250 ppm 10 hour(s).

TWA: 590 mg/m³ 10 hour(s).**OSHA PEL (United States, 11/2006).**

TWA: 1000 ppm 8 hour(s).

TWA: 2400 mg/m³ 8 hour(s).

PROPANE; liquefied petroleum gas

ACGIH TLV (United States).

: 800 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 1000 ppm 8 hour(s).

ACGIH TLV / OSHA PEL (United States).

TWA: 1000 ppm 8 hour(s).

ETHANOL; ethyl alcohol; grain alcohol

AIHA WEEL (United States).TWA: 10 mg/m³ 8 hour(s).

PROPYLENE GLYCOL; 1,2-dihydroxypropane,1,2-propanediol

Personal Protective Equipment (PPE)

| | |
|--------------------|--|
| Eyes | Safety glasses. |
| Body | No special protective clothing is required. |
| Respiratory | Avoid direct inhalation of spray. Use with adequate ventilation. |

**Section 9. Physical and Chemical Properties**

| | | | |
|-------------------------|---|-------------------------|-------------------|
| Physical State | Liquid. [Aerosol.] | Color | Clear. Colorless. |
| pH | Not applicable | Odor | Cinnamon |
| Boiling Point | 55.6°C (132.1°F) | Vapor Pressure | Not determined. |
| Specific Gravity | 0.75 | Vapor Density | Not determined. |
| Solubility | Very slightly soluble in the following materials: cold water and hot water. | Evaporation Rate | <1 (Water = 1) |
| | | VOC (Consumer) | 223 g/l (29.8%) |

Section 10. Stability and Reactivity**Stability and Reactivity**

The product is stable.

Incompatibility

Keep away from heat, sparks and flame. Slightly reactive or incompatible with the following materials: oxidizing materials.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)**Section 11. Toxicological Information****Acute Toxicity****Product/ingredient name****Result****Species****Dose****Exposure**

Acetone

LD50 Dermal

Rabbit

20000 mg/kg

-

LD50 Intravenous

Rat

5500 mg/kg

-

LD50 Oral

Mouse

9750 mg/kg

-

LD50 Oral

Rat

5800 mg/kg

-

LDLo Dermal

Rabbit

20 mL/kg

-

LDLo Intraperitoneal

Rat

500 mg/kg

-

TDLo Oral

Rat

5 mL/kg

-

LC50 Inhalation Vapor

Rat

50100 mg/m³

8 hours

LC50 Inhalation Vapor

Rat

16000 ppm

4 hours

Ethanol

LD50 Oral

Rat

7060 mg/kg

-

LC50 Inhalation Vapor

Rat

20000 mg/m³

4 hours

Propylene Glycol

LD50 Dermal

Rabbit

208 mg/kg

-

LD50 Oral

Dog

260 mg/kg

-

LD50 Oral

Mouse

240 mg/kg

-

LD50 Oral

Rat

200 mg/kg

-

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 Non-hazardous waste**Section 14. Transport Information****Regulatory information****UN number****Proper shipping name****Classes****PG*****Label****DOT Classification**

None.

Consumer commodity ORM-D

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.