

Material Safety Data Sheet



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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 MANDARIN ORANGE (GreenLink)
Product use Aerosol Room Deodorizer/Odor Counteractant
Product code 3330
Date of issue 12/14/09 **Supersedes** 05/27/09

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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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

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).

ETHANOL; ethyl alcohol; grain alcohol

ACGIH TLV / OSHA PEL (United States).

TWA: 1000 ppm 8 hour(s).

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

AIHA WEEL (United States).TWA: 10 mg/m³ 8 hour(s).**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	Citrus
Boiling Point	55.6°C (132.1°F)	Vapor Pressure	Not determined.
Specific Gravity	0.817	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, CO ₂)

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	-
	TDL ₀ Oral	Rat	5 mL/kg	-
	LC50 Inhalation Vapor	Rat	50100 mg/m ³	8 hours
	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	Ethanol	LD50 Oral	Rat	7060 mg/kg
LC50 Inhalation Vapor		Rat	20000 mg/m ³	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.