

Material Safety Data Sheet



Zep Inc.
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Section 1. Chemical Product and Company Identification

Product name Z-MIST LAVENDER
Product use Aerosol Odor Counteractant
Product code R241
Date of issue 11/02/09 **Supersedes**

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 1-877-793-7776

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

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

WARNING



CAUSES EYE IRRITATION. CONTENTS UNDER PRESSURE.

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.

Skin Non-irritating under conditions of use. Prolonged or repeated contact may dry skin and cause irritation.

Inhalation Avoid direct inhalation of spray. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

Ingestion Unlikely in this form. Can cause gastrointestinal disturbances.

Chronic effects

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

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
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	<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. Get medical attention immediately.

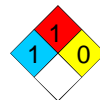
Skin Contact Flush affected skin with plenty of water. Get medical attention if irritation develops.

Inhalation If excessive quantities inhaled, remove 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. 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	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. 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 Spills are unlikely due to packaging.

Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid direct inhalation of spray. Do not ingest. Use only with adequate ventilation. 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. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. 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).

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	Recommended: Safety glasses.
Body	For prolonged or repeated handling, use gloves. Recommended: Neoprene gloves. Rubber gloves. Nitrile gloves.
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	Fresh, Pleasant.
Boiling Point	55.6°C (132°F)	Vapor Pressure	Not determined.
Specific Gravity	0.8207	Vapor Density	Not determined.
Solubility	Partially soluble in the following materials: cold water and hot water.	Evaporation Rate	Not determined.
		VOC (Consumer)	245 (g/l). 2.05 lbs/gal (29.95%)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Keep away from heat and direct sunlight.
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 Oral	Mouse	9750 mg/kg	-
	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	Mouse	240 mg/kg	-
	LD50 Oral	Dog	260 mg/kg	-
	LD50 Oral	Rat	200 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

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: - (Not applicable.)
Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not applicable	Consumer commodity	ORM-D	-	
IMDG Class	1950	Aerosols, flammable	2.1	-	

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.