

Material Safety Data Sheet

ENFORCER

Zep Commercial Sales & Service
A unit of Zep Inc.
1310 Seaboard Industrial Blvd.
Atlanta, GA 30318
1-888-805-HELP (4357)
www.enforcer.com

Section 1. Chemical Product and Company Identification

Product name Enforcer Flea Spray for Carpets & Furniturexx

Product code FS14

Date of issue 03/29/11

Supersedes 03/25/04

EPA Registration Number: 40849-55

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 404-352-1680

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

CAUTION

1

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HARMFUL IF SWALLOWED. HARMFUL IF INHALED OR
ABSORBED THROUGH SKIN.

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

Inhalation

Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

Ingestion

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, 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

HYDROCARBON PROPELLANT; blend of propane & n-butane

74-98-6; 106-97-8

10 - 20

LOW ODOR PARAFFINIC SOLVENT; odorless base oil; dispersol

64742-47-8

1 - 10

PYRIFOXYFEN; Nylar (R); [2-{1-Methyl-2-(4-phenoxyphenoxy)ethoxy} pyridine]

95737-68-1

0.015

TETRAMETHRIN

7696-12-0

0.4

SUMITHRIN, d-Phenothrin

26002-80-2

0.3

Section 4. First Aid Measures

Eye Contact

Check for and remove any contact lenses. Immediately flush eyes 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. Wash clothing before reuse. Get medical attention if irritation occurs.

Inhalation

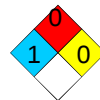
Move exposed person to fresh air. If irritation persists, get medical attention.

Ingestion

Wash out mouth with water. 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	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.

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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Empty containers retain product residue and can be hazardous. Apply this product only as specified on the label. Wash thoroughly after handling. Store and use away from heat, sparks, open flame or any other ignition source.
Storage	CONTENTS UNDER PRESSURE. Do not puncture or incinerate container. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store below 120°F (49°C). Keep out of the reach of children.

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

HYDROCARBON PROPELLANT; blend of propane & n-butane

LOW ODOR PARAFFINIC SOLVENT; odorless base oil; dispersol

TETRAMETHRIN

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

TWA: 1000 ppm 8 hour(s).

ACGIH TLV (United States).

TWA: 100 ppm 8 hour(s).

ACGIH TLV (United States, 2/2010). Absorbed through skin.TWA: 200 mg/m³ 8 hour(s).**ACGIH TLV (United States).**TWA: 10 mg/m³ 8 hour(s). Form: Dust**Personal Protective Equipment (PPE)**

Eyes	Safety glasses.
Body	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves.
Respiratory	Avoid breathing vapors, spray or mists. Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid. [Aerosol.]	Color	Clear.
pH	Not available.	Odor	Mild. Characteristic.
Boiling Point	102°C (215°F)	Vapor Pressure	Not determined.
Specific Gravity	0.97	Vapor Density	>1 [Air = 1]
Solubility	Partially soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
		VOC (Consumer)	173 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, acids and alkalis.
Hazardous Polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)

Section 11. Toxicological Information**Acute Toxicity****Section 12. Ecological Information****Environmental Effects**

This material is toxic to aquatic organisms.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Distillates (petroleum), hydrotreated light	-	Acute LC50 5900 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 35 to 75 mm	4 days
	-	Acute LC50 2900 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 35 to 75 mm	96 hours
	-	Acute LC50 2600 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 35 to 75 mm	4 days
	-	Acute LC50 2400 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 35 to 75 mm	4 days
	-	Acute LC50 2200 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 35 to 75 mm	4 days

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-regulated waste

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not available.	Consumer commodity	ORM-D		
TDG Classification	UN1950	AEROSOLS (Propellant; Blend of Propane and n-Butane)	2.2	-	

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:

Product name

3-phenoxybenzyl 2-dimethyl-3-(methylpropenyl)cyclopropanecarboxylate

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: Distillates (petroleum), hydrotreated light

United States inventory (TSCA 8b): Not determined.

State Regulations**California Prop 65**

No products were found.

Canada**WHMIS (Canada)**

WHMIS Class A: Compressed gas.

WHMIS Class D-2B: Material causing other toxic effects (Toxic).

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.