

Safety Data Sheet

ENFORCER

Zep Commercial Sales & Service
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Atlanta, GA 30318
1-888-805-HELP (4357)
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Section 1. Chemical Product and Company Identification

Product name Enforcer Overnite Pest Control Concentrate
Product code ONC1 / M969
Date of issue 04/02/14 **Supersedes** 11/21/13

This product is a registered pesticide.
EPA Registration Number: 1021-2626-40849 or 73049-154-40849

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
1259 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

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

WARNING!

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COMBUSTIBLE LIQUID AND VAPOR.
CAUSES EYE AND SKIN IRRITATION. HARMFUL IF INHALED,
ABSORBED THROUGH SKIN OR 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. Ingestion.

- Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** Causes skin irritation. May be harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Harmful if inhaled. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.
- 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: blood, kidneys, the nervous system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness.

Carcinogenicity Classification

Contains material which may cause cancer. Risk of cancer depends on duration and level of exposure.

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.	-	-	-

Additional information: See toxicological information (Section 11)

Section 3. Composition/Information on Ingredients

Name	CAS number	%
C9-15 Heavy Aromatic Hydrocarbons; Solvent naphtha (petroleum), heavy arom.	64742-94-5	60 - 70
Cypermethrin; alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,	52315-07-8	20 - 30
2-dimethylcyclopropanecarboxylate cis/trans +/- 40/60		
naphthalene	91-20-3	5 - 15

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. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. 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. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



- Flash Point** Closed cup: >60°C (>140°F)
[Tagliabue.]
- Flammable Limits** Not available.
- Flammability** Combustible liquid
- Fire hazard** Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Fire-Fighting Procedures** Use dry chemical, CO₂, water spray (fog) or foam. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

- Spill Clean up** Large spills are unlikely due to packaging. Small spills can be taken up with an absorbent and placed in clean dry containers for later disposal. Observe label precautions.

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. 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. Take precautionary measures against electrostatic discharges. Do not use in and around electrical equipment due to the possibility of shock hazard. Apply this product only as specified on the label. Do not reuse container. Wash thoroughly after handling.
- Storage** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Ingredient	Exposure limits
naphthalene	ACGIH TLV (United States, 3/2012). Absorbed through skin. TWA: 10 ppm 8 hours. TWA: 52 mg/m³ 8 hours. STEL: 15 ppm 15 minutes. STEL: 79 mg/m³ 15 minutes. OSHA PEL 1989 (United States, 3/1989). TWA: 10 ppm 8 hours. TWA: 50 mg/m³ 8 hours. STEL: 15 ppm 15 minutes. STEL: 75 mg/m³ 15 minutes. NIOSH REL (United States, 1/2013). TWA: 10 ppm 10 hours. TWA: 50 mg/m³ 10 hours. STEL: 15 ppm 15 minutes. STEL: 75 mg/m³ 15 minutes. OSHA PEL (United States, 6/2010). TWA: 10 ppm 8 hours. TWA: 50 mg/m³ 8 hours.

Personal Protective Equipment (PPE)

- Eyes** Splash goggles. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
- Body** Neoprene, Nitrile or Viton® Gloves.
Wear appropriate protective clothing to prevent skin contact.
Observe label precautions.



Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Section 9. Physical and Chemical Properties

Physical State Liquid. [Clear.]
pH 4 to 5
Boiling Point Not available.
Specific Gravity 0.99
Solubility Emulsifies in water.

Color Amber. Brown.
Odor Aromatic. [Strong]
Vapor Pressure Not available.
Vapor Density Not available.
Evaporation Rate Not available.
VOC (Consumer) 10 % (w/w) 0.826 lbs/gal (99 g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO₂), Hydrocarbon.

Section 11. Toxicological Information

Product/ingredient name	Result	Species	Dose	Exposure
Cypermethrin; alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate cis/trans +/- 40/60	LC50 Inhalation Dusts and mists	Rat	2.5 g/m ³	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
naphthalene	LD50 Oral	Rat	57500 µg/kg	-
	LD50 Dermal	Rabbit	>20 g/kg	-
Enforcer Overnite Pest Control Concentrate	LD50 Oral	Rat	490 mg/kg	-
	LC50 Inhalation Vapor	Rat	2.3 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1100 mg/kg	-

Section 12. Ecological Information

Environmental Effects Highly toxic to: Bees, Fish and Aquatic invertebrates. Do not allow uncontrolled discharge of product into the environment. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not use product when weather conditions are likely to produce drift from areas treated. Observe label precautions.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Cypermethrin; alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate cis/trans +/- 40/60	Acute EC50 120.42 mg/l Fresh water	Algae - Scenedesmus acutus var. acutus - Exponential growth phase	72 hours
	Acute EC50 112.45 mg/l Fresh water	Algae - Scenedesmus acutus var. acutus - Exponential growth phase	96 hours
	Acute EC50 0.007 µg/l Marine water	Crustaceans - Eohaustorius estuarius	48 hours
	Acute LC50 0.36 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.23 µg/l Fresh water	Fish - Labeo rohita - Fry	96 hours
	Chronic NOEC 0.0014 ppm Fresh water	Fish - Labeo rohita	30 days
	Acute EC50 1600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
naphthalene			

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 Classification: Non-hazardous waste by Characteristic.
 Origin: RCRA waste.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	-	Consumer commodity or Limited quantity	ORM-D	-	
TDG Classification	-	Not determined.	-	-	
IMDG Class	UN3082	Environmentally hazardous substances n. o.s. (Cypermethrin) Marine pollutant (Cypermethrin) or Limited quantity	9	-	

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

naphthalene

Clean Water Act (CWA) 307: naphthalene

Clean Water Act (CWA) 311: naphthalene

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**

WARNING: This product contains a chemical known to the State of California to cause cancer.

Canada**WHMIS (Canada)**

Not determined.

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.

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