

Material Safety Data Sheet

ENFORCER

Zep Commercial Sales & Service
A unit of Zep Inc.
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Section 1. Chemical Product and Company Identification

Product name 20 Second Roach Killer

Product code TS16 / F381

Date of issue 03/03/11 **Supersedes** 08/04/03

This product is a registered pesticide. EPA ID No. 1021-1601-40849

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



CAUSES EYE IRRITATION. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED. FLAMMABLE. 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

Dermal contact. Inhalation.

Eyes

Causes eye irritation. 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

Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

Ingestion

Harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

Chronic effects

Prolonged skin contact may cause dermatitis with drying and cracking of skin. Contains material which may cause damage to the following organs: 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
ISOPARAFFINIC SOLVENT; hydrotreated light distillate (petroleum); C12-C14 isoalkanes	68551-19-9	65 - 85
LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics	64742-88-7	10 - 20
CARBON DIOXIDE	124-38-9	1 - 5
Prallethrin	23031-36-9	0.03
Esfenvalerate	66230-04-4	0.05
MGK(R) 264; N-Octyl Bicycloheptene Dicarboximide	113-48-4	0.25

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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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. 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 FLAMMABLE. Aerosol that may flash back. (CSMA)

Fire hazard 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. CONTENTS UNDER PRESSURE.

Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire. Do not release runoff from fire to drains or watercourses.

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. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Apply this product only as specified on the label. Empty containers retain product residue and can be hazardous. Wash thoroughly after handling.

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. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name

ISOPARAFFINIC SOLVENT; hydrotreated light distillate (petroleum); C12-C14 isoalkanes
LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics

CARBON DIOXIDE

Esfenvalerate

Exposure limits

NIOSH REL (United States).

TWA: 1200 mg/m³ Form: Vapor

ACGIH TLV (United States).

TWA: 100 ppm 8 hour(s).

Supplier Suggested TLV (United States).

TWA: 100 ppm 8 hour(s).

ACGIH TLV (United States).

TWA: 5000 ppm 8 hour(s).

STEL: 30000 ppm 15 minute(s).

Manufacturer (United States). Absorbed through skin.
: 2 mg/m³

Personal Protective Equipment (PPE)

Eyes Safety glasses.

Body Wear appropriate protective clothing to prevent skin contact.
Recommended: Neoprene gloves. Nitrile gloves.

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. [Aerosol.]

pH Not applicable.

Boiling Point Not available.

Specific Gravity 0.807

Solubility Insoluble in the following materials: cold water and hot water.

Color Colorless to light yellow.

Odor Petroleum-like.

Vapor Pressure Not determined.

Vapor Density Not determined.

Evaporation Rate Not determined.

VOC (Consumer)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Isoparaffinic Solvent; Hydrotreated light distillate (petroleum)	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-

Section 12. Ecological Information

Environmental Effects This material is toxic to aquatic organisms. Keep out of waterways.

Aquatic Ecotoxicity**Product/ingredient name**

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	Not available.	Consumer commodity	ORM-D	-	
TDG Classification	Not available.	Not available.	Not available.	-	

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.

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

State Regulations

California Prop 65 No products were found.

Canada**WHMIS (Canada)**

Class B-5: Flammable aerosol.

Class D-1B: Material causing immediate and serious 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.*