

# Enforcer Dual Action Insect Killer

Version 1.0 Revision Date 06/02/2015

Print Date 02/29/2016

#### SECTION 1, PRODUCT AND COMPANY IDENTIFICATION

Material name

: Enforcer Dual Action Insect Killer

EPA ID Number:

10807-161-40849

Material number

: 00000000001047651

Manufacturer or supplier's details

Company

: Zep Commercial Sales & Service, a unit of Zep, Inc.

Address

1310 Seaboard Industrial Blvd., NW

Atlanta, GA 30318

Telephone

404-352-1680

Emergency telephone numbers		
For SDS Information	:	Compliance Services 1-877-428-9937
For a Medical Emergency		877-541-2016 Toll Free - All Calls Recorded
For a Transportation		CHEMTREC: 800-424-9300 - All Calls Recorded.
Emergency	- HONORANA	In the District of Columbia 202-483-7616

### SECTION 2. HAZARDS IDENTIFICATION

### **Emergency Overview**

Appearance	Aerosol containing a liquefied gas
Colour	white
Ödour	neutral

## GHS Classification

Gases under pressure Skin sensitisation : Liquefied gas : Category 1

GHS Label element

Hazard pictograms

 $\Diamond$ 



Signal word

: Warning

Hazard statements

: H280 Contains gas under pressure; may explode if heated.

H317 May cause an allergic skin reaction.

Precautionary statements

Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272 Contaminated work clothing should not be allowed out of

the workplace.

P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.



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P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P363 Wash contaminated clothing before reuse.

Storage:

P410 + P403 Protect from sunlight. Store in a well-ventilated

place. Disposal:

P501 Dispose of contents/container in accordance with local

regulation.

Potential Health Effects

Carcinogenicity:

**ACGIH** 

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

### Hazardous components

Chemical Name	CAS-No.	Concentration [%]
butane	106-97-8	>= 10 - < 20
Distillates (petroleum), hydrotreated light	64742-47-8	>= 5 - < 10
propane	74-98-6	>= 1 - < 5
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	>= 0.1 - < 1
m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2- dimethylcyclopropanecarboxylate	52645-53-1	>= 0.1 - < 1
Pyrethrins and Pyrethroids	8003-34-7	>= 0.1 - < 1

## SECTION 4. FIRST AID MEASURES

General advice

: Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled

: If unconscious place in recovery position and seek medical

advice

Consult a physician after significant exposure.

In case of skin contact

If skin irritation persists, call a physician.

Wash off immediately with plenty of water for at least 15



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minutes.

If on clothes, remove clothes.

In case of eye contact

Remove contact lenses.
Protect unharmed eye.

Keep eye wide open while rinsing.

If eve irritation persists, consult a specialist.

Rinse immediately with plenty of water for at least 15 minutes.

If swallowed

: Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

DO NOT induce vomiting unless directed to do so by a

physician or poison control center. Take victim immediately to hospital.

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

: Water spray

Carbon dioxide (CO2)

Dry powder Foam

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

Carbon dioxide (CO2)

Carbon monoxide

Smoke

Specific extinguishing

methods

: Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Further Information

: Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Environmental precautions : Use personal protective equipment.

; Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for

: Sweep up or vacuum up spillage and collect in suitable



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containment and cleaning up

container for disposal.

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

#### SECTION 7. HANDLING AND STORAGE

Advice on safe handling

: Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Do not breathe vapours or spray mist.

Take precautionary measures against static discharges.

Provide sufficient air exchange and/or exhaust in work rooms.

Dispose of rinse water in accordance with local and national

regulations.

Always replace cap after use.

Conditions for safe storage

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force

or throw into fire even after use. Do not spray on flames or

red-hot objects.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid

: Oxidizing agents

#### SECTION 8, EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA PO
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA PO
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm	OSHA P0



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 |
 |
 1,800 mg/m3

Personal protective equipment

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory

equipment.

Hand protection

Remarks

The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection

: Ensure that eyewash stations and safety showers are close to

the workstation location.

Safety glasses

Skin and body protection

impervious clothing

Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Hygiene measures

: Wash hands before breaks and at the end of workday.

#### SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: Aerosol containing a liquefied gas

Colour

: white

Odour

: neutral

Odour Threshold

no data available

рΗ

: not applicable

Melting point/freezing point

: no data available

Boiling point

no data available

Flash point

no data available

Evaporation rate

: no data available

Flammability (solid, gas)

The product is not flammable.

Upper explosion limit

: no data available

Lower explosion limit

: no data available

Vapour pressure

no data available

Relative vapour density

; no data available

Density

: no data available

Solubility(ies)

Water solubility

: slightly soluble

Partition coefficient: n-

: no data available

octanol/water

5/11



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Auto-ignition temperature

; not determined

Thermal decomposition

: no data available

Viscosity

Viscosity, kinematic

: no data available

Heat of combustion

; 12.23 kJ/g

## SECTION 10. STABILITY AND REACTIVITY

Reactivity

: Stable

Chemical stability

: Stable under normal conditions.

Possibility of hazardous

reactions

: No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

Conditions to avoid

: Heat, flames and sparks.

Extremes of temperature and direct sunlight.

Incompatible materials

: Strong oxidizing agents

Hazardous decomposition

products

Carbon dioxide (CO2)

Carbon monoxide

## SECTION 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

### Product:

Acute oral toxicity

: Acute toxicity estimate : > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity

: Acute toxicity estimate : > 10 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Calculation method

### Components:

butane:

Acute inhalation toxicity

: LC50 mouse: 1,237 mg/l

Exposure time: 2 h

LC50 rat: 1,355 mg/l

Distillates (petroleum), hydrotreated light:



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Acute oral toxicity

: LD50 rat: > 5,000 mg/kg

Acute inhalation toxicity

: LC50 rat: > 4.6 mg/l

Exposure time: 6 h

Acute dermal toxicity

: LD50 rat: > 2,000 mg/kg

propane:

Acute inhalation toxicity

; LC50 mouse: 1,237 mg/l

Exposure time: 2 h

LC50 rat: 658 mg/l Exposure time: 4 h

LC50 rat: 1,355 mg/l

#### Skin corrosion/irritation

### Product:

Remarks: May cause skin irritation and/or dermatitis.

### Serious eye damage/eye irritation

### Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

## Respiratory or skin sensitisation

#### Product:

Remarks: Causes sensitisation.

## Germ cell mutagenicity

no data avallable

#### Carcinogenicity

no data available

## Reproductive toxicity

no data available

butane:

Distillates (petroleum), hydrotreated light:

propane:

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Pyrethrins and Pyrethroids:

## STOT - single exposure

no data avallable

STOT - repeated exposure



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no data available

Aspiration toxicity

no data available

Further information

Product:

Remarks: no data available

Components:

Distillates (petroleum), hydrotreated light:

Remarks: no data available

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

no data available

Persistence and degradability

no data available

Bioaccumulative potential

Product:

Partition coefficient: n-

octanol/water

Components:

butane:

Partition coefficient: n-

octanol/water

: Remarks: no data available

: Pow: 2.89

Mobility in soil

no data available

Other adverse effects

no data available

Product:

Regulation

40 CFR Protection of Environment; Part 82 Protection of

Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A

+ B).

Additional ecological

information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to

aquatic life with long lasting effects.

Components:



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Distillates (petroleum), hydrotreated light:

Additional ecological

information

: no data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues

: The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging

Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

#### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA): ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

## SECTION 15. REGULATORY INFORMATION

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

## Pesticide Labeling Information Required Under U.S. FIFRA Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION

Harmful if inhaled.

This pesticide is toxic to fish. .

Observe label precautions.



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### EPCRA - Emergency Planning and Community Right-to-Know Act

**CERCLA Reportable Quantity** 

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

: Sudden Release of Pressure Hazard

Acute Health Hazard

**SARA 302** 

: SARA 302: No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

**SARA 313** 

SARA 313: This material does not contain any chemical

components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA

Title III, Section 313.

California Prop 65

This product does not contain any chemicals known to State of

California to cause cancer, birth defects, or any other

reproductive harm.

The components of this product are reported in the following inventories:

**TSCA** 

On TSCA Inventory

DSL

All components of this product are on the Canadian DSL.

AICS

Not in compliance with the inventory Not in compliance with the inventory

NZIoC PICCS

Not in compliance with the inventory

IECSC Not in compliance with the inventory

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION



# **Enforcer Dual Action Insect Killer**

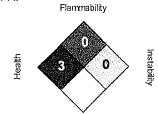
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#### Further information

NFPA:



Special hazard.

#### HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	2

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

#### OSHA GHS Label Information:

Hazard pictograms





Signal word Hazard statements Warning:

Contains gas under pressure; may explode if heated. May cause an allergic skin

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Storage: Protect from sunlight. Store in a w ell-ventilated place.
Dispose of contents/container in accordance with local regulation.

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