

# Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** Enforcer Dual Action Insect Killer  
**Product code** EDAIK17  
**Date of issue** 10/17/13 **Supersedes** 06/27/13

This product is a registered pesticide. EPA Registration Number: 10807-161-40849

## 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!**

MAY BE HARMFUL IF SWALLOWED. VAPOR HARMFUL.

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. Eye contact. Inhalation.

**Eyes** Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** No known acute effects of this product resulting from skin contact.

**Inhalation** Harmful by inhalation. Exposure can cause coughing, chest pains and difficulty in breathing.

**Ingestion** Unlikely in this form. Ingestion may cause gastrointestinal irritation and diarrhea.

**Chronic effects** Prolonged or repeated contact may dry skin and cause irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

**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

Butane	106-97-8	5 - 15
Distillates (petroleum), hydrotreated light	64742-47-8	5 - 15
propane	74-98-6	1 - 10

## 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 if irritation occurs.

**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. If irritation persists, get medical attention.

**Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**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.)



<b>Flash Point</b>	Not available.
<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Non-flammable. (16 CFR 1500.45)
<b>Fire hazard</b>	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.
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. 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**

<b>Handling</b>	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Empty containers retain product residue and can be hazardous.
<b>Storage</b>	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Use appropriate containment to avoid environmental contamination. Keep out of the reach of children.

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

Butane

**Exposure limits****OSHA PEL 1989 (United States, 3/1989).**

TWA: 800 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 6/2009).**

TWA: 800 ppm 10 hour(s).

TWA: 1900 mg/m<sup>3</sup> 10 hour(s).**ACGIH TLV (United States, 2/2010).**

TWA: 1000 ppm 8 hour(s).

propane

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 1000 ppm 8 hour(s).

TWA: 1800 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 6/2009).**

TWA: 1000 ppm 10 hour(s).


TWA: 1800 mg/m<sup>3</sup> 10 hour(s).**OSHA PEL (United States, 6/2010).**

TWA: 1000 ppm 8 hour(s).

TWA: 1800 mg/m<sup>3</sup> 8 hour(s).**ACGIH TLV (United States, 2/2010).**

TWA: 1000 ppm 8 hour(s).

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses.	
<b>Body</b>	For prolonged or repeated handling, use Neoprene, Nitrile or Rubber gloves.	
<b>Respiratory</b>	Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Translucent.
<b>pH</b>	Not available.	<b>Odor</b>	Characteristic. [Slight]
<b>Boiling Point</b>	100°C (212°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	0.96	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	Not available.
		<b>VOC (Consumer)</b>	14.7 % (w/w) 1.18 lbs/gal (141.5 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, CO<sub>2</sub>)**Section 11. Toxicological Information****Acute Toxicity**

Butane	LC50 Inhalation Vapor	Rat	658000 mg/m3	4 hours
Distillates (petroleum), hydrotreated light	LC50 Inhalation Vapor	Rat	>6.8 mg/l	4 hours
	LD50 Dermal	Rabbit	2000 to 4000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

**Section 12. Ecological Information****Aquatic Ecotoxicity**

Distillates (petroleum), hydrotreated light	-	Acute LC50 2200 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 35 to 75 mm	4 days
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**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
<b>DOT Classification</b>	-	Consumer commodity or Limited quantity	ORM-D	-	
<b>TDG Classification</b>	-	Limited quantity	-	-	
<b>IMDG Class</b>	-	Limited quantity	-	-	

**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) 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.

**Canada****WHMIS (Canada)**

Class A: Compressed gas.

**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.*