

ENFORCER Products  
 A Division of Acuity Specialty Products  
 Group, Inc.  
 P.O. Box 1060  
 Cartersville, GA 30120  
 1-888-805-HELP

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

**Section 1. Chemical Product and Company Identification**
**Product name**      **Enforcer Flea & Tick Spray for Dogs II**
**Product Code**      **FT18/24**
**Date of issue**      **05/24/04**      **Supersedes** 05/27/03

This product is a registered pesticide. Number: 40849-34

**Emergency**      **For MSDS Information:**
**Telephone**      Compliance Services (404) 352-1680

**Numbers**
**For a Medical Emergency:**

INFOTRAC

**(877) 541-2016 (Toll Free - Calls Recorded)**
**For a Transportation Emergency:**

CHEMTREC

**(800) 424-9300 (Toll Free - Calls Recorded)**


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**Prepared by**      Compliance Services Group  
 Acuity Specialty Products Group  
 1420 Seaboard Industrial Blvd.  
 Atlanta, GA 30318

**Section 2. Composition, Information on Ingredients**

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
Py 175 Tech	8003-34-7	0.20	Not established
PIPERONYL BUTOXIDE;	51-03-6	0.40	Not established
alpha-(2-(2-butoxyethoxy)ethoxy)-4,5-(methylenedioxy)-2			
PERMETHRIN; 3-phenoxybenzyl	52645-53-1	0.10	Not established
2,2-dimethyl-3-(2,2-dichlorovinyl)			
cyclopropanecarboxylate			

**Section 3. Hazards Identification**

**Acute Effects**      **Routes of Entry** Absorbed through skin. Eye contact. Inhalation.

**Skin**      Hazardous in case of skin contact (irritant, permeator). Direct contact may cause irritation and redness.

**Eyes**      Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Hazardous in case of inhalation. Avoid breathing vapors or spray mists.

**Ingestion** Harmful if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

**Carcinogenic Effects**      Classified C (Possible for human.) by EPA [PIPERONYL BUTOXIDE].

**Chronic Effects**      Repeated or prolonged exposure is not known to aggravate medical condition.

**See Toxicological Information (section 11)**

**HMIS**

<b>Health</b>	<b>2</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**Section 4. First Aid Measures**

**Eye Contact**      Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

**Skin Contact**      In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation persists, get medical attention.

**Inhalation**      If inhaled, remove 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. Never give anything by mouth to an unconscious person. Get medical attention.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Non-flammable.		
<b>Fire Hazard</b>	Not applicable		
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for surrounding fires.		

**Section 6. Accidental Release Measures**

**Spill Clean up** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse product container. Observe label precautions.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Protect from freezing. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

**Eyes** Safety glasses.

**Body** Rubber gloves.



**Respirator:** A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. (Emulsion liquid.)	<b>Color</b>	Milky-white
<b>pH</b>	7.0 - 8.0	<b>Odor</b>	Characteristic. (Slight.)
<b>Boiling Point</b>	37.1°C (98.8°F)	<b>Vapor Pressure</b>	3.6 kPa (27 mmHg) (at 20°C)
<b>Specific Gravity</b>	0.98 (Water = 1)	<b>Vapor Density</b>	2.45 (Air = 1)
<b>Solubility</b>	Partially soluble in cold water, hot water.	<b>Evaporation Rate</b>	Not determined.
		<b>VOC (Consumer)</b>	0 (g/l).

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Not available.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition** Not applicable.

**Products****Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Piperonyl Butoxide:</b>	
	ORAL (LD50):	Acute: 4300 mg/kg [Rat].
	DERMAL (LD50):	Acute: >2000 mg/kg [Rabbit].
	<b>Permethrin:</b>	
	ORAL (LD50):	Acute: >5050 mg/kg [Male rats.]. 3780 mg/kg [Female rats.].

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OE** Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Non-regulated waste

**Consult your local or regional authorities.**

**Section 14. Transport Information**

<b>Proper shipping name</b>	Not regulated.
<b>DOT Classification</b>	Not a DOT controlled material (United States).
<b>UN number</b>	Not regulated.
<b>TDG Classification</b>	Not a TDG controlled material.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
Piperonyl Butoxide  
Clean Water Act (CWA) 311: No products were found.  
Clean air act (CAA) 112 regulated toxic substances: No products were found.

**State Regulations** California prop. 65: No products were found.

**WHMIS (Canada)** 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.*