

# MATERIAL SAFETY DATA SHEET

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## SECTION 1. Product and Company Identification Adams Flea & Tick Collar for Dogs

**Product Code:** 2724-254-270-AD

**Product Name:** Adams Flea & Tick Collar for Dogs

**Manufacturer Name  
and Address:**

**Telephone  
Numbers:**

**Dates:**

Distributed by:

CHEMTREC

(800)424-9300

Date Created:  
12/07/2006

Farnam Companies, Inc.

District of  
Columbia

(202)483-0414

Revision:  
05/04/2007

301 West Osborn Road

Farnam  
Companies, In

(800)234-2269

Printed:  
05/04/2007

Phoenix, AZ.

**Responsible Person:** SFaith/Regulatory , **Phone #:**

**Additional Identity Information**

Small dog (3006045), Large dog (3006046)

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## SECTION 2. Composition/Information on Ingredients Adams Flea & Tick Collar for Dogs

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Propoxur {Phenol,2-(1-methylethoxy)-,methylcarbamate; Baygon}	114-26-1	10.0 %
<b>OSHA PEL</b>	<b>ACGIH TLV</b>	
1. No data.	0.5 mg/m <sup>3</sup>	

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## SECTION 3. Hazards Identification Adams Flea & Tick Collar for Dogs

### Emergency Overview

#### PRECAUTIONARY STATEMENT

Caution: Do not allow children to play with this collar. Do not open protective pouch until ready to use. Dust will form on this collar during storage. Do not get dust or collar in mouth, harmful if swallowed Do not get in eyes, will cause temporary pupillary constriction. The dust released by this collar is a cholinesterase inhibitor. Wash hands thoroughly with soap and water after handling.

**Route(s) of Entry:** Inhalation? N.A. , Skin? Yes , Eyes? Yes , Ingestion? N.A.

**Potential Health Effects (Acute and Chronic)**

No data available.

**Carcinogenicity:** NTP? N.A. , IARC Monographs? N.A. , OSHA Regulated? N.A.

**Carcinogenicity/Other Information**

No data available.

**Signs and Symptoms Of Exposure**

Due to product form, method of use, and use history, human intoxication has not been reported. However, propoxur is a cholinesterase inhibitor that may produce the following symptoms: headache, nausea, vomiting, diarrhea, tightness in chest, ataxia, anorexia, tearing, sweating, salivation, pin-point pupils, pulmonary edema, cyanosis, convulsions.

**Medical Conditions Generally Aggravated By Exposure**

No data available.

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**SECTION 4. First Aid Measures  
Adams Flea & Tick Collar for Dogs****Emergency and First Aid Procedures**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF INGESTED:** Call a physician or poison Control Center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air.

**Note to Physician**

Atropine is antidotal and preferably given I.V. to effect if toxic signs are present.

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**SECTION 5. Fire Fighting Measures  
Adams Flea & Tick Collar for Dogs**

**Flash Pt: NR Method Used:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Extinguishing Media**

Water fog, foam, CO<sub>2</sub>.

**Fire Fighting Instructions**

Firefighters should wear full protective clothing including self-contained breathing apparatus. Normal procedures. Do not allow fire fighting water to escape into water-ways or sewers.

**Flammable Properties and Hazards**

None known.

**Hazardous Combustion Products**

Highly irritating methyl isocyanate gas and fumes of hydrogen chloride can be formed during burning.

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**SECTION 6. Accidental Release Measures  
Adams Flea & Tick Collar for Dogs**

## Steps To Be Taken In Case Material Is Released Or Spilled

Because of individual packaging, possibilities of a release or spill are remote. However, should one occur, place in container for proper disposal

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## SECTION 7. Handling and Storage Adams Flea & Tick Collar for Dogs

### Precautions To Be Taken in Handling

Wash hands and face thoroughly with soap and water after handling product. Do not allow children to handle collar.

### Precautions To Be Taken in Storing

Store in original unopened container. Do not open protective pouch until ready to use.

### Other Precautions

No data available.

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## SECTION 8. Exposure Controls/Personal Protection Adams Flea & Tick Collar for Dogs

### Respiratory Equipment (Specify Type)

If extensive exposure is anticipated, users and handlers should wear a NIOSH approved organic vapor/dust/pesticide respirator.

### Eye Protection

No data available.

### Protective Gloves

No data available.

### Other Protective Clothing

If extensive exposure is anticipated, users and handlers should wear impervious gloves, goggles, and other appropriate clothing to prevent skin contact.

### Engineering Controls (Ventilation etc.)

Natural ventilation is sufficient.

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## SECTION 9. Physical and Chemical Properties Adams Flea & Tick Collar for Dogs

<b>Physical States:</b>	[ ] Gas , [ ] Liquid , [ X ] Solid
<b>Boiling Point:</b>	No data.
<b>Melting Point:</b>	90.00 C
<b>Specific Gravity (Water = 1):</b>	1.2
<b>Density:</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	1.29 mPa at 20.0 C
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	No data.
<b>Solubility in Water:</b>	No data.
<b>Percent Volatile:</b>	No data.
<b>Saturated Vapor Concentration:</b>	No data.
<b>Viscosity:</b>	No data.
<b>pH:</b>	No data.

## Appearance and Odor

Plastic strips with powdery surface, faint phenolic odor.

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## SECTION 10. Stability and Reactivity Adams Flea & Tick Collar for Dogs

**Stability:** Unstable [ ] Stable [ X ]

### Conditions To Avoid - Instability

No data available.

### Incompatibility - Materials To Avoid

Strong acids.

### Hazardous Decomposition Or Byproducts

Methyl isocyanate gas, toxic fumes of C1, oxides of nitrogen can be formed on burning.

**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]

### Conditions To Avoid - Hazardous Polymerization

No data available.

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## SECTION 11. Toxicological Information Adams Flea & Tick Collar for Dogs

### ACUTE TOXICITY

Oral: LD50 (rat): >68 mg/kg (Propoxur)

Dermal: LD50 (rabbit): >2.000 mg/kg (Propoxur)

Inhalation: LC50 (rat): 0.5 mg/L (4 hour study) (Propoxur)

Skin Irritation: Minimally irritating

Eye Irritation: Mildly irritating

Sensitizer: Not a sensitizer

### Chronic Toxicological Effects

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

In a combined chronic/carcinogenicity toxicity study, rats were fed doses at a maximum 5,000 ppm (222-292 mg/kg/day) for up to 2 years. The NOEL was 200 ppm (8.2 mg/kg/day for males and 11.0 mg/kg/day for females) based on reduced weight gain and urinary bladder hyperplasia.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

In a developmental toxicity study in rabbits, animals were orally dosed at concentrations up to 30 mg/kg/day. The NOEL for maternal and developmental toxicity was 10 mg/kg/day based on fetal body weight

MUTAGENICITY [Specific to Active Ingredient(s)]

The weight of evidence suggests that Propoxur is not a mutagen.

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## SECTION 12. Ecological Information Adams Flea & Tick Collar for Dogs

Propoxur is highly toxic to honey bees.

Acute Toxicity: fish:LC50 (bluegill): 4.8 ppm (96 hour study), (trout): 3.55 ppm (96 hour study); aquatic invertebrates: Daphnia: very highly toxic

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### **SECTION 13. Disposal Considerations Adams Flea & Tick Collar for Dogs**

#### **Waste Disposal Method**

Do not reuse container or used collar. Do not contaminate water, feed or food by disposal. If household waste, wrap and put in trash. For larger quantities: dispose of at a state/EPA approved hazardous waste facility.

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### **SECTION 14. Transport Information Adams Flea & Tick Collar for Dogs**

#### **DOT Proper Shipping Name**

Not regulated as hazardous by D.O.T.

Freight Classification: Collars, animal insect repellent, in individual retail containers in boxes: NMFC 49998 Sub 1 Class 100. In individual paper and foil laminated pouches other than individual retail containers, in boxes: NMFC 49998 Sub 2 Class 85

#### **Additional Transport Information**

No data available.

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### **SECTION 15. Regulatory Information Adams Flea & Tick Collar for Dogs**

No data available.

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### **SECTION 16. Other Information Adams Flea & Tick Collar for Dogs**

**Supersedes Revision** 12/07/2006

<b>NFPA Hazard Ratings:</b>	
Flammability	
Health	Instability
Special Hazard	
	Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

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