

SAFETY DATA SHEETS

This SDS packet was issued with item:

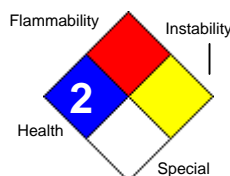
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The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

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MATERIAL SAFETY DATA SHEET

Adams Plus Breakaway Flea & Tick Collar for Cats & Kittens



Printed: 01/08/2007
Revision: 12/07/2006

Date Created: 12/07/2006

1. Product and Company Identification

Product Code: 2724-491-270A
Product Name: Adams Plus Breakaway Flea & Tick Collar for Cats & Kittens
Reference #: 3006026
Manufacturer Information
Company Name: Distributed by:
 Farnam Companies, Inc.
 301 West Osborn Road
 Phoenix, AZ
Emergency Contact: CHEMTREC (800)424-9300
Alternate Emergency Contact: District of Columbia (202)483-0414
Information: Farnam Companies, Inc. (602)285-1660
Preparer Name: SFaith/Regulatory

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA PEL	ACGIH TLV	Other Limits
1. Propoxur	114-26-1	1.0 %	No data.	0.5 mg/m3	No data.
2. 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, [S-(E,E)]-	65733-16-6	2.1 %	No data.	No data.	No data.

3. Hazards Identification

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.

Skin Irritation: Minimally irritating

Eye Irritation: Mildly irritating

Sensitizer: Not a sensitizer

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

Potential Health Effects (Acute and Chronic)

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.

4. First Aid Measures

Emergency and First Aid Procedures

IF IN EYES: Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INGESTED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass

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of water if able to swallow. Do not induce vomiting unless told to do so by the poison center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air.

Note to Physician

Atropine is antidotal only if symptoms of cholinesterase inhibition are present.

5. Fire Fighting Measures

Flammability Classification: Combustible solid
Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.

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) may form on burning.

Extinguishing Media

Water Fog, foam, CO2.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

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. Do not allow large quantities to enter waterways. If in liquid form, use clay granules, sawdust, dirt or equivalent.

7. Handling and Storage

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 away from children.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

If prolonged exposure is anticipated, handlers should wear a NIOSH approved organic vapor/pesticide respirator, impervious gloves, goggles, and other appropriate clothing to prevent skin contact.

Eye Protection

No data available.

Protective Gloves

No data available.

Other Protective Clothing

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

Engineering Controls (Ventilation etc.)

General ventilation should suffice.

9. Physical and Chemical Properties

Physical States:	[] Gas	[] Liquid	[X] Solid
Melting Point:	90.00 C		
Boiling Point:	No data.		
Autoignition Pt:	No data.		
Flash Pt:	No data. Method:		
Explosive Limits:	LEL: No data.	UEL: No data.	
Specific Gravity (Water = 1):	1.2		
Vapor Pressure (vs. Air or mm Hg):	1.29 mPa at 20.0 C		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate (vs Butyl Acetate=1):	No data.		
Solubility in Water:	0.2 at 20.0 C		
Other Solubility Notes:	Slightly soluble in water.		
Percent Volatile:	No data.		
Corrosion Rate:	No data.		
pH:	No data.		
Appearance and Odor			

Plastic strips with powdery surface, faint characteristic phenolic odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Strong acids, strong oxidizers

Hazardous Decomposition Or Byproducts

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

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

Conditions To Avoid - Hazardous Polymerization

No data available.

11. Toxicological Information

Toxicological Information

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)

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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Carcinogenicity/Other Information

No data available.

Carcinogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? No

12. Ecological Information

Ecological Information

ECOTOXICITY [Active Ingredients Only]

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

Propoxur is highly toxic to honey bees.

13. Disposal Considerations

Waste Disposal Method

Do not reuse container or used collar. For household waste, put in trash. For large quantities, dispose of in state/EPA approved hazardous waste management facility.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name

Not regulated as hazardous by D.O.T.

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.

15. Regulatory Information

No data available.

16. Other Information

Company Policy or Disclaimer

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.