

SAFETY DATA SHEETS

This SDS packet was issued with item:

078920200

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

078762976

MATERIAL SAFETY DATA SHEET

Generated 03/03/2010, Revision 11/17/2009, Supercedes Revision 01/21/2009,
Date Created 12/07/2006

SECTION 1. Product and Company Identification ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Product Code: 2724-493-270A
Product Name: ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

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. (800)234-2269
Preparer Name: SFaith/Regulatory

Additional Identity Information

3006024

SECTION 2. Composition/Information on Ingredients ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Propoxur	114-26-1	1.0 %	No data.	0.5 mg/m3
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.

SECTION 3. Hazards Identification ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Emergency Overview

KEEP OUT OF REACH OF CHILDREN
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.

ACCORDING TO CALIFORNIA PROPOSITION 65, THIS PRODUCT CONTAINS PROPOXUR, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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

Potential Health Effects (Acute and Chronic)

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

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.

SECTION 4. First Aid Measures
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Emergency and First Aid Procedures

IF SWALLOWED: 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 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 OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

Note to Physician

Contains N-methyl Carbamate that inhibits cholinesterase. Atropine is antidotal if cholinesterase inhibition symptoms are present.

SECTION 5. Fire Fighting Measures
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Flammability Classification: Combustible solid

Flash Pt: NR

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.

**SECTION 6. Accidental Release Measures
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES****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.

**SECTION 7. Handling and Storage
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES****Precautions To Be Taken in Handling**

Wash hands and face thoroughly with soap and water after handling product. If collar is temporarily removed, wrap in paper or plastic; do not allow children to have access to collar.

Precautions To Be Taken in Storing

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

Other Precautions

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

**SECTION 8. Exposure Controls/Personal Protection
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES****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.

SECTION 9. Physical and Chemical Properties ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Physical States:	<input type="checkbox"/> Gas	<input type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid
Melting Point:	90.00 C		
Boiling Point:	NA		
Autoignition Pt:	No data.		
Flash Pt:	NR		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	1.2		
Density:	NA		
Bulk density:	NA		
Vapor Pressure (vs. Air or mm Hg):	1.29 mPa at 20.0 C		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate (vs Butyl Acetate=1):	NA		
Solubility in Water:	NA0.2 at 20.0 C		
Solubility Notes	Slightly soluble in water.		
Percent Volatile:	NA		
VOC / Volume:	NA 0.0000		
HAP / Volume:	NA 0.0000		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
Heat Value:	NA		
Particle Size:	NA		
Corrosion Rate:	NA		
pH:	NA		

Appearance and Odor

Plastic strips with powdery surface, faint characteristic phenolic odor.

SECTION 10. Stability and Reactivity ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Stability: Unstable Stable

Conditions To Avoid - Instability

Product is stable

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

Hazardous polymerization will not occur.

**SECTION 11. Toxicological Information
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES**

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.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Propoxur	114-26-1	n.a.	n.a.	A3	n.a.
2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, [S-(E,E)]-	65733-16-6	n.a.	n.a.	n.a.	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

**SECTION 12. Ecological Information
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES**

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.

SECTION 13. Disposal Considerations
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

Waste Disposal Method

Do not reuse container or collar. Dispose of in trash. 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.

SECTION 14. Transport Information
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

**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.

DOT Hazard Label: None

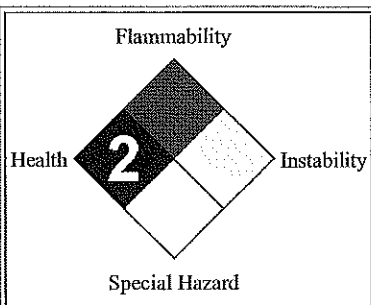
SECTION 15. Regulatory Information
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

No data available.

SECTION 16. Other Information
ADAMS PLUS FLEA & TICK COLLAR FOR DOGS & PUPPIES

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.

	Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4	Generated 03/03/2010 Revision 11/17/2009 Supersedes Revision 01/21/2009 Date Created 12/07/2006
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