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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. Product and Company Identification Adams Fly Spray and Repellent

Product Code: 270-347-43591

Product Name: Adams Fly Spray and Repellent

**Manufacturer Name and
Address:**

**Telephone
Numbers:**

Dates:

Distributed by:

CHEMTREC (800)424-9300

Date Created:
10/17/2005

Veterinary Products Laboratories

Revision: 04/26/2007

P.O. Box 34820

Information: (602)285-1660

Printed: 04/26/2007

Phoenix, AZ. 85067-4820

Responsible Person: Sherry Faith , **Phone #:**

SECTION 2. Composition/Information on Ingredients Adams Fly Spray and Repellent

Hazardous Components (Chemical Name)	CAS #	Concentration
1. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	< 5.0 %
2. Dipropyl isocinchomeronate {2,5-pyridinedicarboxylic acid, dipropyl ester}	136-45-8	< 5.0 %
3. Piperonyl butoxide {2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether}	51-03-6	< 1.0 %
4. Permethrin {Cyclopropanecarboxylic acid, 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid}	52645-53-1	< 1.0 %
5. PROPYLENE GLYCOL	57-55-6	< 5.0 %
6. Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}	8003-34-7	< 1.0 %
OSHA PEL	ACGIH TLV	
1. No data.	No data.	
2. No data.	No data.	
3. No data.	No data.	
4. No data.	No data.	
5. No data.	No data.	
6. 5 mg/m ³	5 mg/m ³	

SECTION 3. Hazards Identification

Adams Fly Spray and Repellent

Emergency Overview

HUMAN: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear waterproof gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not contaminate foodstuffs. Do not smoke while using.

ANIMAL: Do not get in eyes or mucous membranes. Do not use on cats. Do not use on horses intended for slaughter. Do not use on foals under 12 weeks of age. Consult a veterinarian before using this product on debilitated, aged, pregnant, medicated or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

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

Other: No data available.

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

PRIMARY ROUTES OF EXPOSURE:

INHALATION: Mist or vapor is not expected to be toxic with normal use of this product. However, inhalation should be avoided.

INGESTION: Ingestion is not expected during normal use. However, ingestion should be avoided.

SKIN CONTACT: Irritation or allergic skin reaction are not expected after direct contact. However, skin contact should be avoided.

EYE CONTACT: AVOID EYE CONTACT. Irritation may occur following direct contact. symptoms might include redness, swelling, or discharge.

Medical Conditions Generally Aggravated By Exposure

No data available.

SECTION 4. First Aid Measures

Adams Fly Spray and Repellent

Emergency and First Aid Procedures

IF SWALLOWED: Call a poison control center or doctor 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: 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 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 eye. Call a poison control center or doctor for treatment advice.

Note to Physician

This material contains pyrethrin and permethrin insecticides. In cases of over exposure, consult a poison control center for additional information pyrethrin poisoning and treatment.

SECTION 5. Fire Fighting Measures Adams Fly Spray and Repellent

Flash Pt: 65.00 F **Method Used:** COC

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

Autoignition Pt: ~ 460.00 F **Extinguishing Media**

Water, carbon dioxide or foam suitable for surrounding type of fire.

Fire Fighting Instructions

Self-contained breathing apparatus and full protective equipment are recommended for Firefighters.

Toxic or corrosive gases can be expected in fires of this material.

Flammable Properties and Hazards

Flammable liquid. Vapors are heavier than air and may travel to a flame or point of ignition. Keep away from heat and open flame. Do not apply to painted or finished wood surfaces.

Hazardous Combustion Products

No data available.

SECTION 6. Accidental Release Measures Adams Fly Spray and Repellent

Steps To Be Taken In Case Material Is Released Or Spilled

FOR LARGE SPILLS: Isolate the spill area, restrict access and post the area for hazards present (flammable liquid, eye irritant) and necessary precautions. Extinguish open flames and shut off sources of ignition. Wear appropriate protective equipment to avoid skin contact and eye contact. Avoid sparks and open flames. Mix with sand or absorbent material and scoop or shovel into a suitable, properly labeled container for recovery or disposal.

SECTION 7. Handling and Storage Adams Fly Spray and Repellent

Precautions To Be Taken in Handling

Use with adequate ventilation. Store away from incompatible material.

Precautions To Be Taken in Storing

Store in a cool, dry place away from heat, open flames, and other containers of food or feed. Do not transfer to other containers.

Other Precautions

No data available.

SECTION 8. Exposure Controls/Personal Protection Adams Fly Spray and Repellent

Respiratory Equipment (Specify Type)

Not normally necessary.

Eye Protection

Glasses or goggles are recommended if eye contact is possible.

Protective Gloves

Avoid skin contact or wear impervious gloves when handling this material.

Other Protective Clothing

Wear clothing with long sleeves to avoid skin contact.

Engineering Controls (Ventilation etc.)

No data available.

Work/Hygienic/Maintenance Practices

Wash hands and arms thoroughly after handling this material. Clean up spills immediately.

Additional Exposure Control Information

Pyrethrum:

SmithKline Beecham (PEL/EG): No exposure Limit Established.

United Kingdom (HSE): 5 mg/m³ (8hr. TWA) 10 mg/m³ (10 min STEL)

United States: (ACGIH): 5 mg/m³ ACGIH TWA

United States (OSHA): 5 mg/m³ OSAH TWA

SECTION 9. Physical and Chemical Properties

Adams Fly Spray and Repellent

Solubility Notes

Completely miscible in water.

Physical States: Gas , Liquid , Solid

Boiling Point: 85.00 C to 86.00 C

Melting Point: < -14.00 C

Specific Gravity (Water = 1): 0.93 at 26.0 C

Density: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate (vs Butyl Acetate=1): 1.26

Solubility in Water: No data.

Percent Volatile: No data.

Saturated Vapor Concentration: No data.

Viscosity: No data.

pH: 5.2 - 5.8

Appearance and Odor

Yellow liquid with an alcohol and perfume odor.

SECTION 10. Stability and Reactivity

Adams Fly Spray and Repellent

Stability: Unstable Stable

Conditions To Avoid - Instability

Avoid heat, open flames, and incompatibles.

Incompatibility - Materials To Avoid

Incompatible with strong oxidizing agents such as household bleach, anhydrides, isocyanates, and organometallics.

Hazardous Decomposition Or Byproducts

None

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

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information
Adams Fly Spray and Repellent

ORAL TOXICITY: The oral LD50 of this material in rats was greater than 5000 mg/kg. No lethality occurred up to 14 days after a single, oral treatment of 5000 mg/kg.

INHALATION TOXICITY: The inhalation of this material in rats was greater than 5.48 mg/l. No lethality occurred up to 14 days after a 4-hour exposure to 5.48 mg/l mist.

DERMAL TOXICITY: The dermal toxicity of this material in rats was greater than 2000 mg/kg. No lethality occurred up to 14 days after a 24-hour exposure to 2000 mg/kg.

SKIN IRRITATION: This mixture was classified as a mild irritant to rabbit skin. Erythema and swelling occurred at least 72 hours after direct application for 4 hours in rabbits. Skin appeared normal 7 days after treatment.

EYE IRRITATION: This mixture was classified as a mild to moderate irritant to rabbit eyes. Iritis or redness, swelling and discharge in the conjunctive occurred for at least 21 days after direct application in rabbits.

SENSITIZATION: This mixture, tested as a 75% dilution in water, was classified as a non sensitizer in guinea pig skin. No adverse reaction or sensitization occurred in guinea pigs used to test for allergic reaction or sensitization (Modified Buehler Test).

Additional Toxicological Information

REPRODUCTIVE EFFECTS: Components of this mixture produced adverse reproductive effects in rats at high dose levels.

OTHER: Components of this mixture may effect liver or central nervous systems.

SECTION 12. Ecological Information
Adams Fly Spray and Repellent

No data available.

SECTION 13. Disposal Considerations
Adams Fly Spray and Repellent

Waste Disposal Method

Do not reuse empty containers. Rinse thoroughly and securely wrap original container in several layers of newspaper and discard. Observe all federal, state, and local regulations when disposing of this material.

SECTION 14. Transport Information
Adams Fly Spray and Repellent

DOT Proper Shipping Name

No data available.

DOT Hazard Label: FLAMMABLE LIQUID

UN/NA Number: No dat

Additional Transport Information

No data available.

SECTION 15. Regulatory Information
Adams Fly Spray and Repellent

No data available.

SECTION 16. Other Information
Adams Fly Spray and Repellent

Supersedes Revision 10/17/2005

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.
