

MATERIAL SAFETY DATA SHEET

Product Code: 37425-19 Reference #: 6630

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): **Adams Flea & Tick Dip with Pyrethrin TD****SECTION I - Product Identification**

Manufacturer Name and Address: Telephone Numbers:
Distributed by: 24 Hour Emergency (602)234-2269 Date Entered: 03/19/1999
Farnam Companies, Inc. Business Hours (602)285-1660 Revision: 03/19/1999
301 West Osborn Road Printed: 04/02/2002
Phoenix, AZ. 85013

Synonyms
Chemical Family:
DOT Hazard Label:
Molecular Formula:
Molecular Weight: NE or NA

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #:	OSHA PEL	ACGIH TLV	Other Limits	Percentage
Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}	8003-34-7		0.97		
Piperonyl butoxide {(a glycol ether)} {2-(2-butoxyethoxy)e	51-03-6		3.74		
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4		5.7		
Dipropyl isocinchomerate {2,5-pyridinedicarboxylic acid,	136-45-8		1.94		

SECTION III - Physical/Chemical Characteristics

Boiling Point: 180.0 C Specific Gravity (Water = 1): 1.04 NE or NA
Melting Point: -1.0 C Vapor Pressure (vs. Air or mm Hg):. . NE or NA
Vapor Density (vs. Air = 1):. NE or NA
Physical States:
[] Gas Evaporation Rate (vs Butyl Acetate=1): NE or NA
[X] Liquid
[] Solid Solubility in Water:. NE or NA
Percent Volatile: 14.9 % by volume.

Appearance and Odor
Clear yellow liquid with slight turpentine odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Pt: NE or NA Method Used:
Explosive Limits: LEL: UEL:
Extinguishing Media

Use water.

Special Fire Fighting Procedures

Self-contained breathing apparatus and full protective equipment are recommended for firefighters. Toxic or corrosive gases can be expected in fires of this material. Move containers from fire area if possible without increased personal risk. Dike area if possible to contain water for later disposal.

Unusual Fire and Explosion Hazards

SECTION V - Reactivity Data

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Avoid direct sunlight, conditions that might generate heat and temperatures below 0 degrees C.

Incompatibility - Materials To Avoid

Avoid contact with strong oxidizers.

Hazardous Decomposition Or Byproducts

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

Conditions To Avoid - Hazardous Polymerization

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SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other:

Health Hazards (Acute and Chronic)

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

Carcinogenicity/Other Information

Recommended Exposure Limits: 5 mg/m³ ACGIH TWA 5 mg/m³ OSHA TWA

LD 50/LC 50: Oral LD50 > 5000 mg/kg in rats

Signs and Symptoms Of Exposure

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 can occur following direct contact with this material. Symptoms might include redness, swelling or discharge.

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 of product. However, ingestion should be avoided.

Medical Conditions Generally Aggravated By Exposure

Asthmatics

Emergency and First Aid Procedures

SKIN CONTACT: Remove contaminated clothing and rinse exposed area thoroughly for 15 minutes. Obtain medical assistance if unusual symptoms occur.

EYE CONTACT: Wash eyes continuously with water for at least 15 minutes and obtain medical attention. NOTE TO PHYSICIAN:

Consider further flushing of eyes with large amounts of water or saline.

INHALATION: In cases of overexposure, move exposed subject to fresh air. Refer to a physician if individual experiences chest

pain, difficulty breathing or loss of consciousness. IF BREATHING HAS STOPPED, START BASIC LIFE SUPPORT AND SEEK IMMEDIATE MEDICAL ASSISTANCE.

INGESTION: In the event of swallowing this material, seek medical attention. Do not induce vomiting. NOTE TO PHYSICIAN:

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

ANTIDOTES: No specific antidote is known.

Note to Physician

SECTION VII - Precautions for Safe Handling and Use

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 (flamable liquid, eye irritant) and necessary precautions. Extinguish open flames and shut off sources of ignition. Wear appropriate protection 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.

DECONTAMINATION PROCEDURES: NONE

Waste Disposal Method

Do not reuse empty containers. Rinse thoroughly and securely wrap container with several layers of newspaper and discard.

Observe all federal, state and local regulations when disposing of this material.

Hazard Label Information:

Do not reuse this container. Keep away from feed or food

Store in cool, dry area Keep container tightly closed

Precautions To Be Taken in Handling and Storing

HANDLING: No special handling requirements for normal use of this material.

STORAGE: Keep in tightly sealed containers in a cool, dry, well-ventilated area away from food or containers of feed. Do not re-use containers. Avoid freezing conditions.

Precautions To Be Taken in Storing

Other Precautions

SECTION VIII- Control Measures

Protective Equipment Summary - Hazard Label Information

Impervious gloves

Goggles

Respiratory Equipment (Specify Type)

Respirators are not required for the normal use of this material.

Ventilation:

Local Exhaust:

Special:

Mechanical (General):

Other:

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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 protective clothing with long sleeves to avoid skin contact.

Work/Hygienic/Maintenance Practices

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

SECTION IX - Additional Comments

Oral Toxicity: The estimated oral LD50 > 5000 mg/kg in rats.

Inhalation toxicity: Not determined for this mixture.

Dermal LD50 > 2000 mg/kg.

ECOLOGICAL INFORMATION:

ACUTE AQUATIC EFFECTS: This mixture contains material that is TOXIC to fish.

IMPORTANT: 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.