



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Adams Plus Flea & Tick Indoor Fogger**

Synonyms

- 100512099; 100512100; 100522363; EPA Reg. No.:2724-808-270

Product Description

- Pale yellow liquid (propellent-free concentrate).

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Insecticide.

Restrictions on use

- Keep out of the reach of children. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and flame.

Details of the supplier of the safety data sheet

Manufacturer

- Farnam Companies, Inc.
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

Emergency telephone number

Manufacturer

- 1-800-234-2269

Manufacturer (Transportation)

- 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation)

- 1-703-527-3887 - CHEMTREC - Outside the US collect calls accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Aspiration 1
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Flammable Aerosols 2

Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- May cause drowsiness or dizziness
May be fatal if swallowed and enters airways

Flammable aerosol

Precautionary statements

- Prevention**
- Use only outdoors or in a well-ventilated area.
 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - Do not spray on an open flame or other ignition source.
 - Pressurized container: Do not pierce or burn, even after use.

- Response**
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.

- Storage/Disposal**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 - Store locked up.
 - Store in a well-ventilated place. Keep container tightly closed.
 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Other hazards**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients**Substances**

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
(s)-Methoprene	CAS:65733-16-6	0.09%
Etofenprox	CAS:80844-07-1	0.5%
Tetramethrin	CAS:7696-12-0	0.4%
N-Octyl Bicycloheptene Dicarboximide	CAS:113-48-4	0.5%
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	10%
Propane-isobutane mixture	CAS:68476-86-8	35%
Other ingredients	NDA	53.51%

Section 4: First-Aid Measures**Description of first aid measures****Inhalation**

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If irritation or rash occurs, get medical advice/attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Ingestion

- IF SWALLOWED: Aspiration hazard - do NOT induce vomiting. Call a poison control

center or doctor immediately for treatment advice.

Most important symptoms and effects, both acute and delayed

- Aspiration hazard, may cause dizziness or drowsiness if inhaled. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Media

- Avoid heavy hose streams.

Firefighting Procedures

- Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- At temperatures above 130°F, container may rupture. Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Hazardous Combustion Products

- Thermal degradation may produce oxides of carbon, oxides of nitrogen and/or volatile hydrocarbon vapors.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Approach leaking or punctured pressurized containers cautiously. Isolate leaking container from all sources of ignition. Avoid breathing fumes. Ventilate enclosed areas.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid unnecessary personnel and equipment traffic in the spill area. Turn off electric power to area.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Keep away from fire, sparks and heated surfaces.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Do not use or store near heat or open flame. Do not smoke while using this product. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.

Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry place. Keep out of reach of children. Keep away from sources of ignition – No Smoking. Store locked up. Store in a well-ventilated place. Keep

container tightly closed. Keep at a temperature not exceeding 122°F (50°C). Keep from freezing.

Incompatible Materials or Ignition Sources

- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering

- Use adequate ventilation to remove vapors (fumes, dust etc)

Measures/Controls

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Aerosol	Appearance/Description	Aerosol spray.
Color	Pale yellow (propellant-free concentrate)	Odor	No data available.
Aerosol Type	Spray	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	Propellant-free concentrate 6.5 - 7	Specific Gravity/Relative Density	= 0.94
Water Solubility	Soluble	Viscosity	< 50 Centipoise (cPs, cP) or mPas
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	35 %
VOC (Vol.)	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Flame Extension	17 in
Heat of Combustion (ΔH_c)	17.4 kJ/g	Flammability (solid, gas)	Flammable aerosol.
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Flammable, aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Conditions to avoid

- Heat, sparks, open flame. Excess heat.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Hazardous decomposition may occur when heated producing oxides of carbon and nitrogen, volatile hydrocarbon vapors.

Section 11 - Toxicological Information

Information on toxicological effects

	CAS	
Adams Plus Flea & Tick Indoor Fogger	NDA	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg 14 Day(s); Inhalation-Rat LC50 • >2.07 mg/L 4 Hour(s); Skin-Rat LD50 • >5000 mg/kg 24 Hour(s); Irritation: Eye-Rabbit • Mild irritation; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause drowsiness and dizziness.

- Chronic (Delayed)**
- No data available
- Skin**
- Acute (Immediate)**
- May cause mild irritation.
- Chronic (Delayed)**
- Repeated exposure to etofenprox can cause skin irritation.
- Eye**
- Acute (Immediate)**
- May cause mild irritation.
- Chronic (Delayed)**
- No data available
- Ingestion**
- Acute (Immediate)**
- Aspiration Hazard - may be fatal if swallowed and enters airways.
- Chronic (Delayed)**
- No data available

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
(s)-Methoprene (0.09%)	65733-16-6	Crustacea: NOEC Crustacea <i>Mysid Shrimp</i> 0.014 mg/L [Chronic]; 48 Hour(s) LC50 Crustacea <i>Daphnia</i> 0.36 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 0.76 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Bluegill</i> >0.37 mg/L [Acute]; NOEC Fish <i>Fathead Minnow</i> 0.048 mg/L [Chronic]
Etofenprox (0.5%)	80844-07-1	Crustacea: 96 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> 0.0000188 mg/L ; 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0008 mg/L ; NOEC Water Flea <i>Daphnia magna</i> 0.00017 mg/L ; Fish: 96 Hour(s) LC50 Fish <i>Sheepshead minnow</i> >0.0165 mg/L ; 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 0.0027 mg/L
Tetramethrin (0.4%)	7696-12-0	Crustacea: 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 0.11 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish <i>Rainbow trout</i> 0.0037 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Blue gill</i> 0.016 mg/L [Acute]
N-Octyl Bicycloheptene Dicarboximide (0.5%)	113-48-4	Crustacea: 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 2.3 mg/L [Acute]; Fish: LC50 Fish 1.4-2.4 mg/L [Acute]

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- Potential Environmental Effects**
- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not allow entry into storm drains, drainage ditches, gutters or surface waters.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not puncture or incinerate.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	UN1950	Aerosols	2.1	NDA	N/A
IMO/IMDG	UN1950	Aerosols (contains Etofenprox)	2.1	NDA	Marine Pollutant
IATA/ICAO	UN1950	Aerosols, flammable	2.1	NDA	N/A

Special precautions for user ● None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code ● No data available

Other information

IMO/IMDG ● No data available

IATA/ICAO ● No data available

Key to abbreviations

= N/A = Not applicable.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications ● Acute, SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION



Hazard Statements ● Extremely flammable ingredient.

Precautionary Statements ● KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals ● HAZARDS TO HUMANS AND DOMESTIC ANIMALS -CAUTION: Causes moderate eye irritation. Repeated exposure to etofenprox can cause skin irritation. Avoid contact with eyes or clothing. Breathing spray mist may be harmful. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

First Aid ● 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 further treatment advice.
Note to Physician/Veterinarian: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

Physical or Chemical Hazards ● PHYSICAL OR CHEMICAL HAZARDS: Flammable. This product contains a highly flammable ingredient. It may cause fire or explosion if not used properly. Follow Directions for Use on this label carefully. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to

temperatures above 130° F may cause bursting.

Inventory		
Component	CAS	TSCA
(s)-Methoprene	65733-16-6	No
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Etofenprox	80844-07-1	No
N-Octyl Bicycloheptene Dicarboximide	113-48-4	No
Propane-isobutane mixture	68476-86-8	Yes
Tetramethrin	7696-12-0	No

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Propane-isobutane mixture	68476-86-8	Not Listed
• Etofenprox	80844-07-1	Not Listed
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• (s)-Methoprene	65733-16-6	Not Listed
• N-Octyl Bicycloheptene Dicarboximide	113-48-4	Not Listed
• Tetramethrin	7696-12-0	1.0 % de minimis concentration

Section 16 - Other Information

Last Revision Date

- 07/May/2015

Preparation Date

- 07/May/2015

Disclaimer/Statement of Liability

- The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**