Section 1: Identification

Product identifier
Product Name • Adams Flea & Tick Indoor Fogger
Synonyms • 00502204; 100505023; 100512407; 100523719; EPA Reg. No.: 2724-705-270;
• Etofenprox IGR Fogger II

Product Description • White aerosol spray.

Relevant identified uses of the substance or mixture and uses advised against
Recommended use • Insect growth regulator
Restrictions on use • Keep out of the reach of children. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and flame. Use in well ventilated area. Do not take internally. Do not inhale.

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
• Flammable Aerosols 2
• Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
• Eye Mild Irritation 2B
• Compressed Gas
• Skin Irritation 2

Label elements
OSHA HCS 2012
DANGER

Hazard statements
- Flammable aerosol
- May cause drowsiness or dizziness
- May be fatal if swallowed and enters airways
- Causes eye irritation
- Contains gas under pressure; may explode if heated
- Causes skin irritation

Precautionary statements

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

Response
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.

Storage/Disposal
- Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF.
- 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.

Other hazards

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etofenprox</td>
<td>CAS:80844-07-1</td>
<td>0.5%</td>
</tr>
</tbody>
</table>
### Section 4: First-Aid Measures

**Description of first aid measures**

**Inhalation**

- **IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin**

- **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if symptoms occur.

**Eye**

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

**Ingestion**

- **IF SWALLOWED:** Aspiration hazard - do NOT induce vomiting. Call a physician or poison control center for treatment advice.

**Most important symptoms and effects, both acute and delayed**

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

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

- Contains petroleum distillate vomiting may cause aspiration pneumonia. 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 decomposition may produce toxic vapors/gases.

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
• 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. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Ventilate closed spaces before entering.

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. Exposure to temperatures above 130°F may cause bursting. Do not smoke while using this product. Do not allow product to freeze. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.

Conditions for safe storage, including any incompatibilities

Storage

Incompatible Materials or Ignition Sources
• Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls
Engineering Measures/Controls

Personal Protective Equipment

Pictograms

Respiratory

Eye/Face

Hands

Skin/Body

Environmental Exposure Controls

Other Information

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Color</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aerosol</td>
<td>Misty white aerosol spray.</td>
<td>White</td>
<td>Moderate</td>
</tr>
<tr>
<td>General Properties</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>Heat of Decomposition</td>
<td></td>
<td></td>
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<tr>
<td>pH</td>
<td>No data available</td>
<td>Specific Gravity/Relative Density</td>
<td></td>
<td>0.8 g/ml</td>
</tr>
<tr>
<td>Water Solubility</td>
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<td>Viscosity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volatility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>Vapor Density</td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>VOC (Wt.)</td>
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<td>35 %</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>UEL</td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td>LEL</td>
<td>No data available</td>
<td>Heat of Combustion (ΔHc)</td>
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<td>17.4 kJ/g</td>
</tr>
<tr>
<td>Flame Extension</td>
<td>0 in</td>
<td>Flammability (solid, gas)</td>
<td></td>
<td>Flammable aerosol.</td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Octanol/Water Partition coefficient</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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


Incompatible materials

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

Hazardous decomposition products

- Thermal decomposition may produce toxic vapors and/or gases.

Section 11 - Toxicological Information

Information on toxicological effects

<table>
<thead>
<tr>
<th>CAS</th>
<th>Adams Flea &amp; Tick Indoor Fogger</th>
<th>Acute Toxicity:</th>
<th>Ingestion/Oral-Rat, adult female LD50 • &gt;5000 mg/kg; Inhilation-Rat LC50 • &gt;2.07 mg/L; Skin-Rat LD50 • &gt;5000 mg/kg;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NDA</td>
<td>Irritation:</td>
<td>Eye-Rabbit • Mild irritation; Skin-Rabbit • Mild irritation</td>
</tr>
</tbody>
</table>

GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
</tr>
</tbody>
</table>

- OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met

Skin corrosion/Irritation

- OSHA HCS 2012 • Skin Irritation 2

Serious eye damage/Irritation

- OSHA HCS 2012 • Eye Mild Irritation 2B

Skin sensitization

- OSHA HCS 2012 • Classification criteria not met

Respiratory sensitization

- OSHA HCS 2012 • 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

Toxicity for Reproduction

- OSHA HCS 2012 • Classification criteria not met

STOT-SE

- OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

STOT-RE

- OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate) • May affect the central nervous system. Symptoms may include dizziness or drowsiness.

- Chronic (Delayed) • No data available

Skin

- Acute (Immediate) • May cause mild irritation.

- Chronic (Delayed) • Prolonged and repeated exposure to Etofenprox can cause skin irritation.

Eye

- Acute (Immediate) • Causes eye irritation.

- Chronic (Delayed) • No data available

Ingestion

- Acute (Immediate) • Aspiration Hazard - may be fatal if swallowed and enters airways.
Chronic (Delayed)  •  No data available

Mutagenic Effects  •  Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods. Pyriproxyfen is not a mutagen. Tetramethrin is not a mutagen. n-Octyl bicycloheptene dicarboximide was concluded to be negative in the CHO chromosome aberration assay.

Carcinogenic Effects  •  No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.

Reproductive Effects  •  Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments. Pyriproxyfen is not a teratogen. Tetramethrin is not a teratogen. n-Octyl bicycloheptene dicarboximide has been tested and is not a reproductive toxin.

### Section 12 - Ecological Information

#### Toxicity

| Components | Aquatic Toxicity-Fish: | 96 Hour(s) LC50 Sheephead minnow >0.0165 mg/L [Acute] |
| Etofenprox (0.5%) | 80844-07-1 | 96 Hour(s) LC50 Rainbow Trout 0.0027 mg/L [Acute] |
| Pyriproxyfen (0.1%) | 95737-68-1 | 48 Hour(s) LC50 Water Flea Daphnia magna 0.0008 mg/L [Acute] |
| Tetramethrin (0.4%) | 7696-12-0 | 48 Hour(s) LC50 Water Flea Daphnia magna 0.0054 mg/L [MATC] [Chronic] |
| N-Octyl Bicycloheptene Dicarboximide (0.5%) | 113-48-4 | 48 Hour(s) LC50 Water Flea Daphnia magna 0.4 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.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not puncture or incinerate. See product label for disposal instructions.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class (es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>UN1950 Aerosols Limited quantity</td>
<td>2.1</td>
<td>None</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN1950 Aerosols</td>
<td>2.1</td>
<td>None</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN1950 Aerosols, flammable</td>
<td>2.1</td>
<td>None</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Special precautions for user

- None specified.
- No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Other information

- IMO/IMDG: No data available
- IATA/ICAO: No data available

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.

Precautionary Statements

- KEEP OUT OF THE REACH OF CHILDREN.
- Breathing spray mist may be harmful.
- IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
- Note to Physician/Veterinarian: Contains petroleum distillate. Vomiting may cause
aspiration pneumonia.

**Physical or Chemical Hazards**

Extremely Flammable Ingredient. This product contains an extremely flammable ingredient. It may cause a fire or explosion if not used properly. Follow the “Directions for Use” on this label very carefully. Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130° F. may cause bursting.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>Yes</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Yes</td>
</tr>
<tr>
<td>Etofenprox</td>
<td>80844-07-1</td>
<td>No</td>
</tr>
<tr>
<td>N-Octyl Bicycloheptene Dicarboximide</td>
<td>113-48-4</td>
<td>No</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>Yes</td>
</tr>
<tr>
<td>Pyriproxyfen</td>
<td>95737-68-1</td>
<td>No</td>
</tr>
<tr>
<td>Tetramethrin</td>
<td>7696-12-0</td>
<td>No</td>
</tr>
</tbody>
</table>

**United States Environment**

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

- Propane 106-97-8 Not Listed
- Butane 80844-07-1 Not Listed
- Etofenprox 113-48-4 Not Listed
- Pyriproxyfen 64742-47-8 Not Listed
- Distillates (petroleum), hydrotreated light 74-98-6 Not Listed
- N-Octyl Bicycloheptene Dicarboximide 7696-12-0 1.0 % de minimis concentration

**Section 16 - Other Information**

- Revision Date: 28/March/2016
- Last Revision Date: 28/March/2016
- Preparation Date: 28/March/2016
- 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.