

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078930324

N/A



# SAFETY DATA SHEET

## EFFIPRO® Plus Topical Solution for Cats

### 1. IDENTIFICATION

**Product Name**  
**Recommended use of the chemical and restrictions on use**

EFFIPRO® Plus Topical Solution for Cats

**Identified uses**

Topical insecticide

**Restrictions on Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For external use on cats over 8 weeks of age.

**Company Identification**

Virbac AH, Inc.  
P.O. Box 162059  
Fort Worth, Texas 76161  
(800) 338-3659

**Customer Information Number**

**Emergency Telephone Number**

**Chemtrec Number**

**Other Emergency Number:**

(800) 424-9300  
Human Toll-free 833-224-2009  
Animal Toll-free 833-224-2013

**Issue Date**

March 3, 2020

**Supersedes Date**

January 15, 2016

*Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*

### 2. HAZARD IDENTIFICATION

#### Hazard Classification

Acute Toxicity (Oral) - Category 4

Acute Toxicity (Inhalation) - Category 4

Specific Target Organ Toxicity (Single Exposure) - Category 1

Specific Target Organ Toxicity (Repeat Exposure) - Category 1

Acute hazard to the aquatic environment - Category 1 (This classification not adopted by OSHA)

#### Label Elements

Hazard Symbols



Signal Word: Danger

#### Hazard Statements

Harmful if swallowed.

Harmful if inhaled.

Causes damage to organs (central nervous system) (route of exposure: oral)

Causes damage to organs (central nervous system) through prolonged or repeated exposure.

Very toxic to aquatic life.



---

## 2. HAZARD IDENTIFICATION

---

### Precautionary Statements

#### Prevention

Wash hands thoroughly after handling.  
Do not breathe mist, vapors or spray.  
Do not eat, drink, or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

#### Response

If swallowed: Call a poison center or doctor if you feel unwell. Rinse mouth.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.  
If exposed or concerned: Call a poison center or doctor.  
Get medical advice or attention if you feel unwell.  
Collect spillage.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/container in accordance with local regulation.

### Other Hazards

See Section 15 for FIFRA label elements.

### Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	<10%
Acute dermal toxicity	<10%
Acute inhalation toxicity	<10%
Acute aquatic toxicity	<10%

---

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

### Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Fipronil	120068-37-7	9.58%
Pyriproxyfen	95737-68-1	11.65%
Glycol ether	NA	75 - 85%

---

## 4. FIRST-AID MEASURES

---

### Description of necessary first-aid measures

#### 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 the eye. Call a poison control center or doctor for treatment advice.

#### Skin

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.



---

**4. FIRST-AID MEASURES**

---

**Ingestion**

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 a poison control center or doctor. Do not give anything to an unconscious person.

**Inhalation**

Remove person to fresh air. Seek medical attention if symptoms persist.

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

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

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

**Notes to Physicians**

Treat symptomatically.

---

**5. FIRE-FIGHTING MEASURES**

---

**Extinguishing Media**

Water spray, carbon dioxide and dry chemical. Use extinguishing media appropriate for surrounding materials.

**Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing.

**Environmental Precautions**

Prevent the material from entering drains or watercourses.

**Methods and materials for containment and cleaning up**

Contain and transfer into suitable containers for recovery or disposal.

---

**7. HANDLING AND STORAGE**

---

**Precautions for safe handling**

Wear appropriate protective clothing. Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Conditions for safe storage**

Store in tightly closed original container in a cool, dry, locked place. Keep away from children and pets. Do not contaminate water, food or feed by storage.



---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Control parameters**

Exposure limits are listed below, if they exist.

**Glycol ether**

Supplier recommended limit: 25 ppm TWA

**Appropriate engineering controls**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

**Individual protection measures**

**Respiratory Protection**

Not required under normal conditions of use.

**Skin Protection**

Chemical resistant gloves.

**Eye/Face Protection**

Not required under normal conditions of use.

**Body Protection**

Normal work wear.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

**Appearance**

	<b>Physical State</b>	Liquid
	<b>Color</b>	Clear yellowish
<b>Odor</b>		Odorless
<b>Odor Threshold</b>		No data available
<b>pH</b>		No data available
<b>Specific Gravity</b>		No data available
<b>Boiling Range/Point (°C/F)</b>		Not applicable
<b>Melting Point (°C/F)</b>		Not applicable
<b>Flash Point (PMCC) (°C/F)</b>		No data available
<b>Vapor Pressure</b>		Not applicable
<b>Evaporation Rate (BuAc=1)</b>		Not applicable
<b>Solubility in Water</b>		No data available
<b>Vapor Density (Air = 1)</b>		Not applicable
<b>VOC</b>		Not applicable
<b>Partition coefficient (n-octanol/water)</b>		Not applicable
<b>Viscosity</b>		Not applicable
<b>Auto-ignition Temperature</b>		No data available
<b>Decomposition Temperature</b>		No data available
<b>Upper explosive limit</b>		No data available
<b>Lower explosive limit</b>		No data available
<b>Flammability (solid, gas)</b>		No data available



---

**10. STABILITY AND REACTIVITY**

---

**Reactivity**

Data is not available

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Heat - high temperatures

**Incompatible Materials**

None known.

**Hazardous Decomposition Products**

Oxides of carbon - aldehydes - ketones - organic acids - hydrogen fluoride - oxides of nitrogen - oxides of sulfur - hydrochloric acid

---

**11. TOXICOLOGICAL INFORMATION**

---

**See product insert and/or packaging for additional information.**

**Acute Toxicity**

Fipronil

Oral LD50 (rat) 50 mg/kg < LD50 < 500 mg/kg (EPA)

Dermal LD50 (rabbit) >2000 mg/kg (EPA)

Inhalation LC50 (rat) 0.05 mg/L < LC50 < 0.5 mg/L (EPA)

Pyriproxyfen

Oral LD50 (rat) >5000 mg/kg

Dermal LD50 (rabbit) >2000 mg/kg (EPA)

Inhalation LC50 (rat) 1.3 mg/L 4hr

**Specific Target Organ Toxicity (STOT) – single exposure**

Fipronil: In a single dose study in rats adverse neurological effects were observed. A NOAEL of 0.5 mg/kg bodyweight was established. (UK-VMD)

Pyriproxyfen: Subchronic oral toxicity studies conducted with Pyriproxyfen Technical in the rat, mouse and dog indicate a low level of toxicity. The NOELs from these studies were 1000 ppm (149.4 mg/kg/day) in mice, 100 mg/kg/day in dogs and 400 ppm (23.5 mg/kg/day) in rats.

**Specific Target Organ Toxicity (STOT) – repeat exposure**

Fipronil: In a 14 day repeat dose neurotoxicity study in dogs, the animals displayed neurotoxic signs which included hypoactivity, salivation, ataxia, convulsions, tremors, stiffened body, and muscle twitching. (UK-VMD)

Pyriproxyfen: No significant systemic toxicity was observed in either the 21-day dermal toxicity study in rats or the 28-day inhalation toxicity study in rats. Subchronic and chronic toxicity studies in mice, rats and dogs indicate that the liver and kidney are the principal target organs with slight anemia occurring in the rodent species.

**Serious Eye damage/Irritation**

Fipronil: Moderate eye irritation (rabbit). (Category III - EPA)

Pyriproxyfen: Eye irritation reversible within 7 days (Category III - EPA)



---

## 11. TOXICOLOGICAL INFORMATION

---

### **Skin Corrosion/Irritation**

Pyriproxyfen: Mild or slight skin irritation at 72 hours. (Category IV - EPA)

### **Respiratory or Skin Sensitization**

Fipronil: Not a dermal sensitizer (EPA)

Pyriproxyfen: Non-sensitizing (guinea pig)

### **Carcinogenicity**

Fipronil: EPA: The carcinogenic potential of Fipronil has been classified as a Group C possible human carcinogen based on increases in thyroid follicular cell tumors in both sexes of the rat, which were statistically significant by both pair-wise and trend analyses. These results are thought to be due to a rodent specific liver effect not relevant to humans.

Pyriproxyfen: There was no evidence of carcinogenicity in either a 78-week mouse feeding study or in the 2-year rat chronic/carcinogenicity study. Pyriproxyfen is classified as a "Group E" chemical - no evidence of carcinogenicity to humans.

### **Germ Cell Mutagenicity**

Available data indicates this product is not expected to be mutagenic.

### **Reproductive Toxicity**

Fipronil: Studies indicate that Fipronil is a non-teratogenic substance and does not cause reproductive toxicity. (UK-VMD)

Pyriproxyfen: There was no evidence of increased susceptibility to rat and rabbit fetuses in prenatal developmental toxicity studies or to rat offspring in the 2-generation rat reproduction study. No evidence of developmental toxicity was seen in special studies that evaluated pyriproxyfen toxicity following perinatal and prenatal exposure in rats.

### **Aspiration Hazard**

Not an aspiration hazard.

---

## 12. ECOLOGICAL INFORMATION

---

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate.

### **Ecotoxicity**

#### Fipronil

LC50 Bluegill sunfish 0.085 mg/l 96h

EC50 Daphnia magna 0.19 mg/l 48h

Pyriproxyfen: Moderately to highly toxic to fish and moderately to very highly toxic to aquatic invertebrate species.

### **Mobility in soil**

No relevant studies identified.

### **Persistence/Degradability**

No relevant studies identified.

### **Bioaccumulative Potential**

No relevant studies identified.



---

**12. ECOLOGICAL INFORMATION**

---

**Other adverse effects**

No relevant studies identified.

---

**13. DISPOSAL CONSIDERATIONS**

---

Do not contaminate water, food or feed by disposal.

**Product Disposal:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. If empty, offer for recycling if available.

---

**14. TRANSPORT INFORMATION**

---

Contact supplier for transport information.

---

**15. REGULATORY INFORMATION**

---

**United States TSCA Inventory**

This product is excluded from TSCA as it regulated under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

**Federal Insecticide, Fungicide, and Rodenticide Act**

This is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**READ ENTIRE LABEL BEFORE EACH USE**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**HAZARDS TO HUMANS:**

Caution: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**STORAGE:** Store unused product in original container only, out of reach of children and animals.

**PESTICIDE/CONTAINER DISPOSAL:** **If empty:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. **If partially filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Canada DSL Inventory**

This product is excluded from DSL listing as it is regulated under the Pest Control Products Act when used as a pesticide.





---

**15. REGULATORY INFORMATION**

---

**SARA Title III Sect. 311/312 Categorization**

Acute Toxicity (Oral), Acute Toxicity (Inhalation), Specific Target Organ Toxicity (Single Exposure), Specific Target Organ Toxicity (Repeat Exposure)

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Glycol ether

---

**16. OTHER INFORMATION**

---

**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists  
BOD: Biological Oxygen Demand  
CAS#: Chemical Abstracts Service Number  
DSL: Domestic Substances List  
ECHA: European Chemicals Agency  
EPA: Environmental Protection Agency  
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act  
HDT: Highest Dose Tested  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
LOEL: Lowest Observed Effect Level  
N/A: Denotes no applicable information found or available  
NFPA: National Fire Protection Association  
NOEL: No Observed Effect Level  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
TSCA: Toxic Substances Control Act  
SARA: Superfund Amendments and Reauthorization Act  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
WHMIS: Workplace Hazardous Materials Information System  
TLV: Threshold Limit Value  
TSCA: Toxic Substance Control Act  
UK-VMD: United Kingdom Veterinary Medicines Directorate

Revision Date: March 3, 2020

Replaces: January 15, 2016

Changes made: Update to emergency numbers and section 15.

**Information Source and References**

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

**Prepared By:** EnviroNet LLC.

EFFIPRO is a registered trademark of Virbac S.A. in the US and a trademark in Canada.



## **SAFETY DATA SHEET**

### **EFFIPRO® Plus Topical Solution for Cats**

---

#### **16. OTHER INFORMATION**

---

The information and recommendations presented in this SDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.

---