

# MATERIAL SAFETY DATA SHEET

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## Section 1 – Identification of Substance and Company

Product Name: Hartz® UltraGuard Plus™ Cat Drops

Item# 3270001913 (Under 5 lbs)

Item# 3270001914 (Over 5 lbs)

Chemical Name: (S)-Methoprene: Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate,

Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether

Chemical Family: Terpenoid, Pyrethroid

Formula: C<sub>19</sub> H<sub>34</sub> O<sub>3</sub> , C<sub>35</sub> H<sub>28</sub> O<sub>3</sub>

Manufacturer's Name: The Hartz Mountain Corporation

Manufacturer's Address: 400 Plaza Drive, Secaucus, NJ 07094

Emergency Telephone No: (800) 222-1212

Other Information Calls: (800) 275-1414

EPA Registration No.: 2724-504-2596

Data Prepared: 6/8/06

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## Section 2 – Information on Ingredients

Component (chemical, common name)	CAS Number	Weight	Tolerance
(S)-Methoprene: Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-16-6	3.60%	Not Established
Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether	80844-07-01	40.00%	Not Established
Inert Ingredients (non hazardous and/or trade secret)		56.40%	Not Established

## Section 3 – Hazard Identification

### PRECAUTIONARY STATEMENT

Keep out of the reach of children.

Repeated exposure to Etofenprox can cause skin irritation.

PRIMARY ROUTE OF ENTRY    Dermal/Eye: Yes            Oral: Yes            Inhalation: N/A

### ACUTE TOXICITY

Oral: LD50 > 5000 mg/kg (rat)

Dermal: LD50 > 5000 mg/kg (rat)

Inhalation: (R/S)-Methoprene LC50 (rat) > 210 mg/L air

Etofenprox: LC50 > 5.9 mg/L

### OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Mild Irritation (rabbit)

Eye Irritation: Minimal Irritation (rabbit)

Sensitizer: Not a sensitizer

#### Section 4 – First Aid Measures

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water For 15-20 minutes. Call a poison control center or physician for treatment advice.

**Eye Contact:** Hold eyes 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 eyes.

**Ingestion:** Call a poison control center or physician immediately for guidance. Have the person sip a glass of water, if able to swallow. Do not induce vomiting unless instructed to by a poison control center or physician. Never give anything by mouth an unconscious person.

**Inhalation:** Remove affected person to fresh air. Call a poison control center or physician for further treatment advice.

**Note to Physician:** Treat Symptomatically.

#### Section 5 – Explosion and Fire-Fighting Measures

NFPA Rating: Health: 1 Fire: 1 Reactivity: 0

Flash Point: 112°C

Explosive Limits (% of Volume): N/A

Extinguishing Media: Water, CO<sub>2</sub>, dry chemicals, foam.

Special Protective Equipment: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Fire-Fighting Procedures: Normal procedures. Do not allow fire fighting water to escape into waterways or sewers.

Combustion Products: Carbon dioxide and Carbon monoxide.

Unusual Fire/Explosion Hazards: None Known

#### Section 6 – Accidental Release/Spill Procedures

**Steps to be taken:** Do not allow spill to enter waterways inhabited by aquatic organisms. Soak up spills with absorbent materials and place in a suitable container for disposal.

**Absorbents:** Clay granules, sawdust, dirt or equivalent.

**Incompatibles:** Strong oxidizing agents.

#### Section 7 – Handling and Storage

**Handling:** Avoid contact with eyes, skin or clothing. Wash hands after handling.

**Storage:** Keep out of the reach of children. Do not store near food or feed stuff.

**Section 8 – Exposure Control / Personal Protection**

Exposure Limits: Not Established.

Ventilation: General ventilation is sufficient under normal use conditions.

Personal Protective Equipment: Not needed if product is used according to label. If prolonged exposure is anticipated, it is recommended to wear impervious gloves and safety glasses.

**Section 9 – Physical and Chemical Properties**

Boiling Point: Not determined	Specific Gravity: 0.9931
Melting Point: Not determined	Evaporation Rate: Not determined
Vapor Density (Air=1): Not determined	Solubility in Water: Not soluble in water
Vapor Pressure (mm Hg): Not determined	pH: Not determined
Appearance and Odor: Pale yellow liquid with pleasant, weak fruit-like odor	

**Section 10 – Stability and Reactivity**

Stability: Stable  
Reactivity: Not determined  
Hazardous Polymerization: Will not occur  
Incompatibility w/ other materials: Strong oxidizing agents  
Decomposition Products: Carbon monoxide and Carbon dioxide

**Section 11 – Toxicological Information**

**CHRONIC TOXICITY**

Methoprene [Based on (RS) Methoprene Tech] is not a carcinogen. The NOEL for non-carcinogenic effects in an 18 month mouse study was 250 ppm.

Etofenprox is not a human carcinogen (EPA Category C). It is not listed as a carcinogen by NTP or IARC and is not regulated by OSHA. In rats the target organs are the liver and thyroid. The NOAEL for chronic toxicity is 3.7 mg/kg/day for male male rats. The target organ in mice is the kidney. The NOAEL is 3.1 mg/kg/day for mice.

**SUBCHRONIC TOXICITY**

Etofenprox is a mild skin irritant after 4 weeks of treatment. No systemic toxicity from dermal exposure was observed at doses up to 1000 mg/kg/day.

**DEVELOPMENTAL/REPRODUCTIVE TOXICITY**

Methoprene [Based on (RS) Methoprene Tech] is not a teratogen. The NOEL for maternal and embryo toxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 2,500 ppm.

**MUTAGENICITY**

Methoprene [Based on (RS) Methoprene Tech] is not a mutagen.  
Etofenprox is not a mutagen.

**Section 12 – Ecological Information**

	(RS) Methoprene	Etofenprox
<b><u>ENVIRONMENTAL FATE</u></b>		
Hydrolysis:	T1/2 > 4 weeks	N/A
Photolysis:	T1/2 < 6 hours	N/A
Soil half life:	~ 10 days	N/A
Water solubility:	0.52 ppm	N/A
<b><u>ECOTOXICITY</u></b>		
Acute Toxicity:	(S) Methoprene Technical: LC50 (trout): 760 ppb, LC50 (bluegill): > 370 ppb; Aquatic invertebrates: LC50 (Daphnia): 360 ppb. Etofenprox Technical: extremely toxic to fish and aquatic invertebrates. LC50 (trout) 3.3 ppb and LC50 (bluegill) 8.5 ppb.	

**Section 13 – Disposal Considerations**

Do not reuse empty tube. If household waste, wrap empty tube and discard in trash. For larger amounts, consult state and local regulations for proper disposal.

**Section 14 – Transport Information**

DOT49CFR Description: Not regulated as hazardous under DOT  
Freight Classification: Animal insecticides N.O.I. O/T Poison

**Section 15 – Regulatory Information**

CERCLA ( Superfund): Not listed  
RCRA: Not regulated

**SARA 311/312 HAZARD CATEGORIES**

Immediate Health: No  
Delayed Health: No  
Fire: No  
Sudden Pressure: No  
Reactivity: No

**Section 16 – Other Information**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or their persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or their persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.