

SAFETY DATA SHEETS

This SDS packet was issued with item:

078883754

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078883762

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078065642

MATERIAL SAFETY DATA SHEET

Vet Kem Ovitrol X-Tend Flea & Tick Shampoo for Dogs and Cats

Manufacturer: Wellmark International
Address: 1501 East Woodfield Road, Suite 200 West, Schaumburg, IL 60173
Emergency Phone: 1-888-914-2082
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Vet Kem Ovitrol X-Tend Flea & Tick Shampoo for Dogs and Cats

Chemical Name/Synonym: Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether, (S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-Dodecadienoate, Piperonyl Butoxide; 5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole

Chemical Family: Pyrethroid, Terpenoid, Benzodioxole

Formula: $C_{25}H_{28}O_3$, $C_{19}H_{34}O_3$, $C_{19}H_{30}O_5$

EPA Registration No.: 2724-806

RF Number: RF2112

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether	80844-07-1	0.1%	Not established
(S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-Dodecadienoate	65733-16-6	0.1%	Not Established
Piperonyl Butoxide; 5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole	51-03-6	1.14%	Not Established
Inert ingredients: (nonhazardous and/or trade secret)		98.66%	

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENTS
KEEP OUT OF REACH OF CHILDREN
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING
CAUSES SUBSTANTIAL BUT TEMPORARY EYE IRRITATION. DO NOT GET IN EYES OR ON CLOTHING. AVOID CONTACT WITH SKIN OR CLOTHING. WEAR PROTECTIVE EYEWEAR (GOGGLES, FACE SHIELD OR SAFETY GLASSES). WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO, OR USING THE TOILET. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WEAR LONG-SLEEVED SHIRT AND LONG PANTS, SOCKS, SHOES, AND GLOVES. REPEATED EXPOSURE TO ETOFENPROX CAN CAUSE SKIN IRRITATION.

PRIMARY ROUTE OF ENTRY Dermal/Eye: Yes Oral: No Inhalation: Yes

ACUTE TOXICITY	Oral:	No specific hazard identified
	Dermal:	No specific hazard identified
	Inhalation:	No specific hazard identified

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Moderately irritating
Eye Irritation: Substantially irritating
Sensitizer: Not a skin sensitizer

4. FIRST AID MEASURES

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 eyes.
- Call a poison control center or doctor for treatment advice.

If on Skin or Clothing:

- 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.

5. FIRE FIGHTING MEASURES

NFPA Rating:	Health: 2	Fire: 1	Reactivity: 0
Flammability Class:	Class IIIB Liquid		
Flash Point:	Not available		
Explosive Limits (% of Volume):	Not available		
Extinguishing Media:	CO2, foam, dry chemical, water spray		
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 water-ways or sewers.		
Combustion Products:	Not available		
Unusual Fire/Explosion Hazards:	None known		

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken:	Do not allow spill to enter waterways inhabited by aquatic organisms. Soak up spill with absorbent material and place in container for disposal.
Absorbents:	Clay granules, sawdust, dirt or equivalent.
Incompatibles:	Not known

7. HANDLING AND STORAGE

Handling: Do not get in eyes or on clothing. Avoid contact with skin.

Storage: Store in a cool, dry (preferably locked) area that is inaccessible to pets and children.

8. EXPOSURE CONTROL/PERSONAL MEASURES

Exposure Limits: Not available

Ventilation: Use with adequate ventilation

Personal Protective Equipment: Causes substantial but temporary eye irritation. Use protective eyewear to prevent contact with eyes, splash goggles are recommended. Prevent contact with clothing, protective garments may be necessary. Wear impervious gloves to prevent contact with skin. End users should refer to product labeling for personal protective equipment requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Viscous blue liquid with pleasant odor

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Specific Gravity: N/A

Bulk Density: 1.02 g/cm³

Solubility: Miscible with water

Evaporation Rate: N/A

pH: 7.00 @25 °C

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Non-reactive

Incompatibility w/ Other Not Known

Materials:

Decomposition Products: Not Known

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral toxicity: LD50 >5,000 mg/kg

Acute dermal toxicity: LD50 >5,000 mg/kg

Skin irritation: Moderately irritating

Eye irritation: Moderately irritating with corneal opacity, iritis, and conjunctivitis.

Not a dermal sensitizer

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

Methoprene is not considered a carcinogen. The NOEL for non-carcinogenic effects in an 18 month mouse study was 250 ppm. .

Etofenprox 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 rats. The target organ in mice is the kidney. The NOAEL is 3.1 mg/kg/day for mice.

Piperonyl butoxide: An increase in the number of benign liver tumors in mice fed piperonyl butoxide technical at doses which far exceeded any anticipated daily human intake. Independent and industry toxicology experts have reviewed the data and agree that the findings of the study do not indicate a health risk to humans.

Carcinogenicity: NTP: No IARC: No OSHA: No

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

Methoprene 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 2500 ppm.

Etofenprox is not a teratogen. It does not have adverse effects on reproduction.

Piperonyl butoxide: There were no birth defects or adverse effects on reproductive parameters in tests with rats or rabbits. It is not considered to be teratogenic.

MUTAGENICITY [Specific to Active Ingredient(s)]

Methoprene is not a mutagen.

Etofenprox is not a mutagen.

Piperonyl butoxide is not genotoxic in several tests including the Ames mutagenicity assay, chromosome aberrations in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

12. ECOLOGICAL INFORMATION

ECOTOXICITY [Active Ingredients Only]

Methoprene

Acute Toxicity: **Fish:** LC50 (trout): 760 ppb, (bluegill): > 370 ppb ((S)-Methoprene);
Aquatic invertebrates: LC50 (Daphnia): 360 ppb ((S)-Methoprene)

Etofenprox

Acute Toxicity: **Rainbow trout:** LC₅₀ = 3.3 ppb
Bluegill: LC₅₀ = 8.5 ppb

Piperonyl butoxide

Acute Toxicity: **Rainbow trout:** LC₅₀ = 6.12 ppm
Bluegill: LC₅₀ = 8.5 ppb 5.37 ppm
Sheepshead minnow: LC₅₀ = 3.94 ppm
Mysid shrimp: LC₅₀ = 0.32 ppm

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

DOT49CFR Description: NOT REGULATED

Freight Classification: SHAMPOO N.O.I. NMFC i-59320 sub 2 CLASS 65

15. REGULATORY INFORMATION

CERCLA (Superfund): Not regulated

RCRA: Not regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (irritant)

Delayed Health: No

Fire: No

Sudden Pressure: No

Reactivity: No

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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