



8000 NE Tillamook Street
Portland, Oregon 97213-0098

Preparation Date: December 17, 2008

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: First Shield

Recommended Use; Control of adult and immature flea stages on cats and kittens

EPA Registration No.: 83399-9-85581

Emergency Information: Non-Transportation; 1.877.872.3744 weekdays 8am to 6pm EST
Or 1.888.426.4435

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: Light yellow clear liquid. **Physical State:** Liquid Pipettes. **Odor:** Mild furan

OSHA Regulatory Status: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Route(s) of Exposure; Skin and eye contact, ingestion

Acute Effects:

Eyes Contact with eyes may cause temporary injury/ irritation resulting in reddening, tearing or stinging.

Skin May cause mild skin irritation after prolonged contact with skin.

Ingestion Product may be minimally toxic.

Carcinogenic Components:

NTP: None

IARC: None

OSHA: None

See Section 11 for additional Toxicological information.

Medical Conditions Aggravated by Exposure: None Known

Potential Environmental Effects See Section 12 for additional Ecological Information

Classification: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Exposure Limits	CAS-No	Weight %
Dinotefuran	OSHA (PEL): Not Established ACGIH (TLV): Not Established	165252-70-0	20.0-25.0%
Pyriproxyfen	OSHA (PEL): Not Established ACGIH (TLV): Not Established	95737-68-1	2.0-5.0%

4. FIRST AID MEASURES

Eye Contact: Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and continue rinsing. Get medical attention or call poison control center if irritation develops or persists.

Skin Contact: Take off contaminated clothing, rinse effected area with plenty of water.

Wash contaminated clothing and shoes before reuse.

Inhalation: Move to fresh air, if breathing is difficult give oxygen. Call a physician.

Ingestion: Contact a physician or Poison Control Center. Give water to help dilute. Avoid alcohol. If, ingested, do not induce vomiting, unless instructed by doctor or medical personnel. Never give anything by mouth to an unconscious person.

Note to Physician: In case of human or animal poisoning, please contact the Poison Control Center at 1.877.872.3744 during normal working hours after 6pm EST call 1.888.426.4435.

5. FIRE-FIGHTING MEASURES

Flash Point: >200° F –Tag closed cup method

Flammable Limits: Upper Explosion Limits Not Established

Lower Explosion Limits Not Established

Suitable Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical

Specific Hazards Arising from the Chemical: Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters:

Firefighters should be equipped with self-contained breathing apparatus to protect against any potential toxic and irritating fumes. Do not allow fire fighting water to enter sewer, surface or ground water. Equipment and materials used in fighting a pesticide fire may be contaminated and decontamination procedures may be considered.

NFPA Classification; Health 2; Flammability 1; Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Keep children and pets from contact with spill. Using protective gloves and absorbent paper towel to clean spill, wrap in newspaper and place in trash.

Methods for Clean-up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Absorbents and other materials contaminated by the spill should be collected for proper disposal. Do not allow spilled material and or wash, surface, or ground water to enter sewer.

Handling: Ensure adequate ventilation

7. HANDLING AND STORAGE

Storage Temperature: Avoid extreme –heating and freezing. Optimum storage temperatures 32F to 95F

Handling and Storage Information: Store in a cool dry place in original unopened container/applicator. Store separate from food products. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies. Do not store near food.

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

General protective and hygiene measures when using Vectra;

- Do not store or keep near food, foodstuffs or beverage
- Avoid contact with eyes and skin, by washing hands both before and after handling
- Do not eat, drink or smoke when using product

Eye Protection Requirements: Avoid contact with eyes.

Skin Protection Requirements: Avoid unnecessary contact with skin.

Ventilation Requirements: Normal room ventilation

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow clear liquid	Physical State:	Liquid
pH:	Anhydrous / not applicable	Viscosity:	13 cps@21.5°C
Flammability Limits in Air:	Not flammable	Evaporation Rate:	Not available
Specific Gravity:	1.131 @ 25°C	Odor:	Mild furan

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Temperature extremes, flames and sparks
Incompatible Materials:	Strong acids. Alkaline.

Hazardous Decomposition Products: None known other than carbon oxides

Possibility of Hazardous Reactions: None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity LD50 Oral: >5000 mg/kg bw (rats)*

Acute Toxicity LD50 Dermal: >5000 mg/kg bw (rats)*

Primary Skin Irritation: Slightly irritating (rabbits)*

Skin Sensitization: not a sensitizer*

Eye Irritation: severely irritating to eyes

12. ECOLOGICAL INFORMATION

Ecological Data: No data available for this product

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

Technical shipping name: Pesticide

Freight Class

Bulk: Insecticide, N.O.I.

Package: Insecticide, N.O.I.

DOT Hazard Class Non-Regulated

ICAO/IATO Hazard Class Non-Regulated

IMDG/IMO Hazard Class Non-Regulated

15. REGULATORY INFORMATION

Federal Regulations Status

FIFRA This product is registered with the U.S. EPA as a pesticide.

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

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain Permethrin (CAS# 52645-53-1); Reporting Threshold of 1%, concentration in this product 35-45%.

SARA 311/312 Hazardous
Categorization Acute Health Hazard No Chronic Health Hazard No, Fire Hazard No Sudden Release of Pressure Hazard No Reactive Hazard No

16. OTHER INFORMATION

Revision Date Revision Summary Not available

Disclaimer

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