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The Best Products.  
The Best Service.*

## MATERIAL SAFETY DATA SHEET NO. 475

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: FIRST CHOICE PERMETHRIN CUTWORM BAIT  
EPA Registration number: 11656-100  
Chemical name of active ingredient(s): (3-Phenoxyphenyl) methyl(+/-)-cis,trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate)  
Chemical Class: Insecticide (Pyrethroid)  
Registrant/Manufacturer: Western Farm Service, Inc.

Telephone number: (559) 436-2800 8am-5pm M-F PST

For fire, spill, and/or leak emergencies, contact : CHEMTREC: 1-800-424-9300  
For medical emergencies and health and safety inquiries, contact: National Poison Control Center  
1-800-222-1222

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Information on hazardous ingredients \*

MATERIAL	C.A.S. No.	% by Wt.	ACGIH/TLV	OSHA/PEL
Permethrin	52645-53-1	0.5	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Propylene glycol	57-55-6	4.0	3 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Petroleum Oil	64742-55-8	2.0	Not established	Not established
Amyl Acetate	628-63-7	0.25	100 ppm	100 ppm
Inert Ingredients	N/A	93.25	N/A	N/A

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** No toxicity information is available on this specific preparation. The following data are for the active ingredient permethrin.

**SYMPTOMS OF ACUTE EXPOSURE:** Symptoms of overexposure include diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity. Contact with this product has rarely produced skin sensations such as numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.

**PRIMARY ROUTES OF EXPOSURE:** Harmful if swallowed, inhaled or absorbed through the skin, or if it comes into contact with the eyes.

**MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion products include carbon dioxide, carbon monoxide, sulfur oxides, halogen, halogen acids, and possible trace amounts of carbonyl halide.

**UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS:** None known.

### 4. FIRST AID

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

#### 4. FIRST AID (con't)

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

**IF SWALLOWED:** Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**MEDICAL CONDITION LIKELY TO BE AGGRAVATED BY EXPOSURE:** None known.

#### 5. FIRE FIGHTING MEASURES

**FIRE AND EXPLOSION:** None

**FLASH POINT (Test method):** Not applicable

**FLAMMABLE LIMITS (% in air):** Not applicable

**AUTOIGNITION TEMPERATURE:** Not available

**UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS:** None known

**IN CASE OF FIRE:** Use water spray, foam, CO<sub>2</sub>, or dry chemical. Firefighters should wear complete protective clothing, including self-contained breathing apparatus. Thermal decomposition may produce nitrogen oxides. Fight fire from upwind to avoid fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR LEAK:** Wear appropriate gear for the situation. See Personal Protective Equipment Information in Section 8. For small spills, cover with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up, and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies, sewers and drains.

#### 7. HANDLING AND STORAGE

**HANDLING:** Mix as needed. Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts. Do not ingest. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

**STORAGE:** Keep container closed when not in use. Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Keep in a dry, cool place. Do not store food, beverages, or tobacco products in the storage area. Do not reuse empty container.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, and packaging of the product. For commercial applications and on-farm applications, consult the product label.

**INGESTION:** Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

**EYE CONTACT:** Avoid eye contact. Wear safety glasses with side shields or chemical goggles.

**SKIN CONTACT:** Avoid skin contact. Skin contact should be prevented through use of suitable protective clothing, gloves and footwear, selected with regard of use conditions and exposure potential.

**RESPIRATORY PROTECTION:** Avoid breathing dust. When respirators are required, wear a NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Extruded brown pellets

**ODOR:** Slight aromatic odor

**MELTING POINT:** Not applicable

**SPECIFIC GRAVITY/DENSITY:** 38.1 – 40.6 lbs/ft<sup>3</sup>

**pH:** Not established

**SOLUBILITY IN WATER:** Permethrin (0.5%) = 0.2 mg/L at 20°C (technical)

**VAPOR PRESSURE:** Permethrin (0.5%) = 0.045 mPa at 25°C

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under standard conditions.

**CONDITIONS TO AVOID:** Oxidizing agents and excessive heat and fire.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion products include carbon dioxide, carbon monoxide, sulfur oxides, halogen, halogen acids, and possible trace amounts of carbonyl halide.

## 11. TOXICOLOGICAL INFORMATION

**ORAL ACUTE TOXICITY:** LD<sub>50</sub> (rat) 1030 mg/kg

**DERMAL ACUTE TOXICITY:** LD<sub>50</sub> (rabbit) > 2000 mg/kg

**INHALATION ACUTE TOXICITY:** LC<sub>50</sub>: >25.7 mb/L/4 hr (rat)

**EYE CONTACT:** Causes moderate eye irritation.

**SKIN CONTACT:** Causes moderate skin irritation.

**SENSITIZATION:** Rare; reversible if occurs; subsides within 12 hours.

**CHRONIC/SUBCHRONIC TOXICITY STUDIES:** Permethrin did not cause reproductive toxicity; Low potential for induction of oncogenicity in experimental animals; Absence of genotoxicity in mutagenicity testing with permethrin.

**CARCINOGENICITY:** IARC: possibly carcinogenic to humans (Group B).

## 12. ECOLOGICAL INFORMATION

**SUMMARY OF EFFECTS:** Permethrin: Stable at a wide range of pH values. Moderate degradation in soil; has a high affinity for organic matter so there is little potential for movement in the soil or entry into ground water; the potential for bioconcentration and accumulation in the environment is low; permethrin is highly toxic to fish and aquatic arthropods; permethrin is slightly toxic to birds and long term studies showed no effects on bird reproduction; permethrin is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

## 13. DISPOSAL CONSIDERATIONS:

**PESTICIDE DISPOSAL:** Do not reuse product containers. Do not contaminate food, feed, or water by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In case of minor spills, follow all precautions indicated above and clean-up immediately. Sweep up and dispose of wastes and broken or empty containers in a landfill approved for pesticide use. For information concerning the proper disposal of pesticide-related wastes, contact your State Environmental Department, State Department of Agriculture, or the Regional Office of the Environmental Protection Agency for your area.

**CONTAINER DISPOSAL:** Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268)

**CHARACTERISTIC WASTE:** Not applicable.

**LISTED WASTE:** Not applicable.

**14. TRANSPORT INFORMATION:**

**DOT CLASSIFICATION:** Not regulated  
**B/L:** Not applicable  
**INTERNATIONAL TRANSPORTATION:** None

**15. REGULATORY INFORMATION:**

**SARA TITLE III CLASSIFICATION:**  
**SECTION 302-304:** Not applicable  
**SECTION 311/312:** Immediate (Acute) Health Hazard  
**SECTION 313** Permethrin  
(chemicals):  
**Proposition 65:** Not applicable  
**CERCLA Reportable Quantity (RQ):** None  
**RCRA CLASSIFICATION:** Not applicable  
**TSCA STATUS:** Exempt, subject to FIFRA.

**16. OTHER INFORMATION:**

**NFPA HAZARD RATINGS**

<b>HEALTH:</b> 1	0 LEAST	
<b>FLAMMABILITY:</b> 0	1 SLIGHT	3 HIGH
<b>REACTIVITY:</b> 0	2 MODERATE	4 SEVERE

**MSDS ISSUED: 06/06**

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