



MATERIAL SAFETY DATA SHEET

Product: **AMBUSH[®] 0.5% BAIT**

Formulator: Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569
(520)783-8844

Emergency Phone: (520) 783-3803

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC[®]:

Inside the U.S.: (800) 424-9300
Outside the U.S.: (703) 527-3887
(800) 225-5635 ext. 283

For MEDICAL Emergency:

1. CHEMICAL IDENTIFICATION

Product: AMBUSH 0.5% BAIT
EPA Signal Word: Caution
Active Ingredient: Permethrin (0.5%)
Chemical Name: (3-phenoxyphenyl) methyl(±)-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

EPA Registration No.: 10163-224
CAS No.: 52645-53-1

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Permethrin (0.5%)	Not listed	10mg/m ³ *	Not established	No
Amyl Acetate CAS# 628-63-7	100 ppm	100 ppm	Not established	No

*No ACGIH TLV or OSHA PEL is assigned to this mixture. Our supplier has established an employee exposure standard of 10 mg/ m³ 8-hour TWA for Permethrin.

3. HAZARDS IDENTIFICATION

Physical Properties

Appearance: Brown cereal-like flakes
Odor: Odorless

Symptoms of Acute Exposure

No toxicity information is available on this specific preparation. This health hazard assessment is based on information that is available on the properties of its components.

Medical Conditions Likely to be Aggravated by Exposure

None known

Primary Routes of Exposure

Harmful if it comes into contact with eyes or skin.

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 MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

- Ingestion:** This material is classified as "practically nontoxic" by ingestion.
Inhalation: No toxic effects are known to be associated with inhalation of dust from this material.
Eye Contact: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin Contact: Wash with plenty of soap and water. Get medical attention if irritation persists.

!! IN ALL CASES OF SUSPECTED POISONING, GET MEDICAL ATTENTION IMMEDIATELY !!

For emergency **MEDICAL** response and hazard communication **ONLY**, call:

Hazard Information Services at (800) 228-5635 ext. 283.

5. FIRE FIGHTING MEASURES

- Flashpoint (test method):** Not applicable
Flammable Limits (% in air): Not applicable
Autoignition Temperature: Not available
Flammability: Not flammable

Appropriate Extinguishing Media

Use water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Fire Fighting Guidance

Wear self-contained breathing apparatus (SCBA) and protective clothing.

Unusual Fire, Explosion, and Reactivity Hazards

None known

6. ACCIDENTAL RELEASE MEASURES

In Case of Spills or Leaks

Wear eye and respiratory protection during cleanup. Keep out of sewers and drains. Sweep up and recover or mix material with moist absorbent and shovel into waste container.

7. HANDLING AND STORAGE

Precautions in handling and storing

Mix as needed. Do not store diluted material. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, sweep up and remove to chemical waste area. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

This product is intended for use outdoors where engineering controls are not necessary. If use conditions are different (e.g. product formulation or packaging), use ventilation adequate to maintain safe levels.

Personal Protection

Eye/Face Eye contact with the material should be avoided through the use of protective eyewear.

Skin Protection Skin contact should be prevented through the use of long-sleeved shirt and long pants, waterproof gloves, shoes plus socks. When mixing, loading or cleaning equipment wear a chemical-resistant apron. Remove contaminated clothing and wash before re-wearing. Wash separately from other laundry.

Respiratory Protection Not required; use normal safety precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Other/General Protection An adequate supply of clean potable water should be available to allow thorough flushing of skin and eyes in event of contact with this compound. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety

Recommendations:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown cereal-like flakes

Odor: Odorless

Melting Point: 34-35°C (technical)

Boiling Point: Not applicable

Specific Gravity/

Density: Not applicable

pH: 7.5 (at 5% v/v in water)

Solubility in H₂O

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 normal conditions

Hazardous

Polymerization: Will not occur

Decomposition

Products: Combustion products include carbon dioxide, carbon monoxide, sulfur oxides, halogen, halogen acids, and possible trace amounts of carbonyl halide

Hazardous

Mixtures: Combustion products: carbon dioxide, carbon monoxide, sulfur monoxide, sulfur oxides, halogen, halogen acids, possible trace amounts of carbonyl halide

Conditions

To Avoid: Oxidizing agents

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies

Ingestion: Acute Oral LD₅₀ (rat): >5,000 mg/kg body weight
This material is classified as "practically nontoxic" by ingestion.

Dermal: Dermal LD₅₀ (rabbit): 2,000 mg/kg body weight

Inhalation: No toxic effects are known to be associated with inhalation of dust from this material.

Eye Contact: No other adverse clinical effects have been associated with exposures to this material.

Skin Contact: No irritation is likely to develop following contact with human skin. Skin exposures may cause a skin condition called paresthesia, which is usually described as tingling, itching, burning, prickling, glowing, flushing, numbness or a chapped feeling. Symptoms usually occur around the face (mouth and eyes) but may involve the arms or hands. Symptoms may develop shortly after exposure or can be delayed up to four hours and can persist between 2 and 30 hours following contact. There is no evidence of any long-term or cumulative effects on the skin. The effect may result from transferring the material to the face from contaminated gloves and hands.

11. TOXICOLOGICAL INFORMATION (continued)

Mutagenic Potential

Permethrin (0.5%): None available

Reproductive Hazard Potential

Permethrin (0.5%): None available

Chronic/Subchronic Toxicity Studies

Permethrin (0.5%): None available

Carcinogenic Potential

None

Other Toxicity Information

Not available

12. ECOLOGICAL INFORMATION

Summary of Effects

Permethrin (0.5%)

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. May be hazardous to aquatic organisms in neighboring areas. Do not apply this product or contaminate water when disposing of equipment wash waters.

Other Environmental Information Use Precautions

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

13. DISPOSAL CONSIDERATION

Pesticide Disposal

This material is extremely toxic to fish and aquatic invertebrates. Do not contaminate waterways, lakes, streams, ponds, etc. by cleaning of equipment or by disposal of waste. Dispose of waste on site or at an approved waste disposal facility. Open dumping is prohibited. Discarded product is not a hazardous waste under RCRA, 40 CFR 261. 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 you area.

Container Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated

International Maritime Organization

None

International Civil Aviation Organization

None

15. REGULATORY INFORMATION

SARA Title III Classification

Section 302/304: Not applicable
Section 311/312: Immediate (acute) health hazard
Section 313 chemical(s): Permethrin

Proposition 65

Not applicable

CERCLA Reportable Quantity (RQ)

None

RCRA Classification

Not applicable

TSCA Status

Exempt from TSCA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health:	1	0	Least
Flammability:	0	1	Slight
Reactivity:	0	2	Moderate
		3	High
		4	Severe

Notice: The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

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Revision Date:

January 14, 2000

Printing Date:

January 14, 2000

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