

## MATERIAL SAFETY DATA SHEET

### Mosquito & Gnat Barrier

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Mosquito & Gnat Barrier

**PRODUCT DESCRIPTION:** An Insecticide Concentrate / Repellent for Lawns and Gardens.

**PRODUCT CODE:** 010-12

**EPA Registration #:** 6218-76

**MANUFACTURER:**

Summit Chemical Company

7657 Canton Center Drive

Baltimore, MD 21224-2079

800-227-8664

**COMMENTS:**

Summit's Hours of operation are 8:00 am to 4:30 pm est

For information regarding MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call the INTERNATIONAL POISON CENTER 24 hours a day at 1-888-740-8712 .

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

	Wt.%	CAS#	EINECS #
Permethrin	2.5	052645-53-1	258-67-9

**COMMENTS:**

Ingredients not identified are proprietary or non hazardous. Values are not product specifications.

#### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:**

CAUTION. May be harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. ALWAYS wear safety glasses and other appropriate personal protective equipment when handling this material.

**POTENTIAL HEALTH EFFECTS EYES:** Can cause temporary irritation, tearing and blurred vision.

**SKIN:** Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

**SKIN ABSORPTION:** Harmful if absorbed through skin.

**INGESTION:** May be harmful if swallowed.

**INHALATION:** Excessive inhalation may be irritating to the respiratory tract.

#### **4. FIRST AID MEASURES**

**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.

**SKIN:**

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.

**INGESTION:**

Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:**

Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advise.

**NOTES TO PHYSICIAN:**

None

#### **5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD.** 93.3°C (200°F)TAG CC

**FLAMMABLE CLASS:** This product is NOT classified as flammable or combustible.

**EXTINGUISHING MEDIA:** Use water spray, foam, carbon dioxide or dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:**

This product is classified as noncombustible, however in the extreme temperatures that fires may produce, some of the constituents of this formula may combust to give off such gases as carbon dioxide, carbon monoxide.

**FIRE FIGHTING PROCEDURES:**

Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

**SENSITIVE TO STATIC DISCHARGE:**

Not applicable

**6. ACCIDENTAL RELEASE MEASURES****SMALL SPILL:**

Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent such as sand, or vermiculite. Clean spill area of residues and absorbent.

**LARGE SPILL:**

Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

**ENVIRONMENTAL PRECAUTIONS****WATER SPILL:**

Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

**7. HANDLING AND STORAGE****HANDLING:**

Wear chemically impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses with side shields, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

**STORAGE:**

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong acids, bases and oxidizers. Emptied containers may retain product residues. Keep Away from Children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

## EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	TWA	EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Permethrin						10	

**ENGINEERING CONTROLS:** Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear OSHA-approved safety glasses with side shields, goggles or face shield.

**SKIN:** Wear chemically impervious gloves such as Neoprene or Nitrile and protective clothing.

**RESPIRATORY:** In absence of proper mechanical ventilation, wear a NIOSH approved organic vapor respirator.

**PROTECTIVE CLOTHING:** Wear chemically impervious gloves' such as neoprene or nitrile.

**WORK HYGIENIC PRACTICES:** DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild slightly sweet odor.

**APPEARANCE:** Milky opaque white liquid. ph: 5.86

**PERCENT VOLATILE:** Negligible

**MELTING POINT:** Not Available

**SOLUBILITY IN WATER:** Emulsifiable in water.

**SPECIFIC GRAVITY:** 1.001 (water =1) at 20°C

**VISCOSITY:** 5.67 CPS at 24°C

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Not compatible with strong acids or bases. Not compatible with strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE:** Acute toxicological data not available.

**COMMENTS:**

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product is extremely toxic to fish and other aquatic invertebrates.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** This product should be disposed of according to local, state and federal regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials.

**RCRA/EPA WASTE INFORMATION:** None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** Non-Hazardous

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**PRIMARY HAZARD CLASS / DIVISION:** Non-Hazardous

### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Not Available

## 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO

PRESSURE GENERATING: NO  
REACTIVITY: NO  
ACUTE: YES

313 REPORTABLE INGREDIENTS:

COMPONENT	CAS#	Max %
Permethrin	052645-53-1	2.5

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation. (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control ACT inventory reporting requirements.

## 16. OTHER INFORMATION

REVISION SUMMARY

Revision #: 1

This MSDS replaces the October 30, 2000 MSDS. Any changes in information are as follows:

HMIS CODES

FIRE: 1                      HEALTH: 1                      REACTIVITY: 1

HMIS RATINGS NOTES:

We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with the information contained in sections 7 and 8 of this MSDS.