

# Mosquito & Gnat Barrier

## Safety Data Sheet

### SECTION 1 : IDENTIFICATION

**Product Identifier:** Mosquito & Gnat Barrier

**EPA Registration No.:** 6218-76

**Identified uses:** Aqueous insecticide, Barrier Spray

**Supplier/Manufacturer:** Summit Chemical Co. D/B/A Summit Responsible Solutions  
235 S. Kresson Street  
Baltimore, MD 21224  
800-227-8664  
Summitchemical.com  
US EPA Establishment No. 6218-MD-2

**In case of emergency:** CHEMTREC 800-262-8200

### SECTION 2: HAZARDS IDENTIFICATION

#### HAZARD CLASSIFICATION:

Acute Toxicity – Inhalation (Dust/Mists) – Cat. 4

Skin Sensitization – Cat. 1

Serious eye damage/eye irritation - Cat. 2B

Hazardous to the aquatic environment, chronic hazard – Cat. 1

**Hazard Pictogram(s):**



**Signal Word:** Caution

#### Hazard statements

Harmful if inhaled

May cause an allergic skin reaction

Causes serious eye irritation

Very toxic to aquatic life with long lasting effects

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION
Permethrin Tech	CAS No. 52645-53-1	2.5	Not classified
Inert Ingredients	-	97.5	Not classified

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

FIRST AID	
Have product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If Swallowed</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If Inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take of contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PYSICIAN AND VETERINARIANS:</b> Do not administer or instill milk, cream or other substances containing vegetable or animal fats which will enhance absorption of lipophilic substances. You may also contact CHEMTREC 800-424-9300 for emergency medical treatment information.	

### 4.2 Most Important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media : Foam. Dry powder. Carbon Dioxide. Water Spray. Sand

Unsuitable Extinguishing Media : Do not use heavy water stream

### 5.2 Special Hazards Arising from the Substance or Mixture

No additional information available.

### 5.3 Advice For Firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire fighting water to enter environment.

Protection during Firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, Protective Equipment and Emergency Procedures**

Absorbent materials:	Universal absorbent pads, vermiculite, or clay granules.
Containment:	Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.
Waste Disposal:	Dispose of waste material in municipal land-fill or through licensed TSD. Open dumping is prohibited. Not an RCRA hazardous waste.
Reporting:	Report all major spills and uncontrolled releases to proper local, state, And federal agencies.
Emergency Contact #:	CHEMTREC: 1-800-424-9300

#### **6.1.1 For Non-Emergency Personnel**

Emergency Procedures : Evacuate unnecessary personnel.

#### **6.1.2 For Emergency Responders**

Protective Equipment : Equip Cleanup crew with proper protection  
Emergency Procedures : Ventilate Area

### **6.2 Environmental Precautions**

Prevent entry to sewers and public waters.

### **6.3 Methods and Material for Containment and Cleaning Up**

See Heading 8. Exposure controls and personal protection

## **SECTION 7: HANDLING AND STORAGE**

Storage Conditions:	Do not store near feed, food, or within the reach of children. Containers should be stored in a cool, dry, well-ventilated area.
Special Handling Considerations:	Exercise caution to prevent damage to or leakage from the containers.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Engineering Controls and Protective Equipment**

Permethrin Tech (CAS No. 52645-53-1 )
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#### **8.2 Exposure Controls**

Engineering Controls:	Use only in adequately ventilated areas.
Eye Protection:	Avoid eye contact. Chemical Goggles or safety glasses.
Respiratory Protection:	None likely to be needed
Dermal Protection:	Avoid Contact, Wear approved mask where necessary.
Other Precautions:	Wash thoroughly after handling or before eating, dinking, chewing gum, or using tobacco.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on Basic Physical and Chemical Properties**

Physical State	: Liquid
Color	: Translucent yellow to white.
Odor	: Mild, slight chemical

Bulk Density:	8.29 (lbs/gal)
Vapor Pressure:	Not Established
Viscosity:	Not Established
Melting Point:	NA
Flash Point:	See Section 10
Specific Gravity:	1.01 (g/ml)
pH:	6.0-8.0
Solubility:	Emulsifies
Refractive Index:	Not Established

## 9.2 Other Information

No additional information available.

## SECTION 10: STABILITY AND REACTIVITY

Flash Point:	Will not burn
Lower Flammability Limit:	NA
Upper Flammability Limit:	NA
Hazardous Polymerization:	Will not occur
Decomposition Products:	May release irritating and toxic gases due to thermal decomposition.
Conditions to avoid:	Storing at extreme temperatures.
Incompatible Materials:	Strong Oxidizers

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

Routes of Exposure:	Dermal, eye, inhalation, ingestion.
Skin Contact:	Slightly irritating. Permethrin may cause tingling sensation known as paresthesia.
Eye Contact:	Slightly irritating.
Ingestion:	Permethrin may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity to touch and sound.
Inhalation:	May cause nasal or respiratory irritation.
Oral LD <sub>50</sub>	>5,000 mg/kg
Dermal LD <sub>50</sub>	>2,000 mg/kg
Inhalation LC <sub>50</sub>	>2.05 mg/L
Carcinogenicity:	Not Likely None.
Teratogenicity:	
Reproductive Effects:	None.
Mutagenicity:	None.
Other Chronic Effects:	None.

Reproductive Toxicity	: Not Classified
Specific Target Organ Toxicity (Single Exposure)	: Not Classified
Specific Target Organ Toxicity (Repeated Exposure)	: Not Classified
Aspiration Hazard	: Not Classified
Potential Adverse Human Health Effects and Symptoms	: Based on available date, the classification criteria are not met

## SECTION 12: ECOLOGICAL INFORMATION

Aquatic (Permethrin): LC<sub>50</sub> (96hrs) Rainbow Trout: 2.5 ug/L  
LC<sub>50</sub> (96hrs) Bluegill: 1.8 ug/L  
Avian (Permethrin): LD<sub>50</sub> Bobwhite quail- >10,000 mg/kg  
Bioaccumulation: Unlikely to accumulate due to high acute toxicity.  
Environmental Fate: The average half-life of permethrin in aerobic soils is 39.5 days, with a range from 11.6 to 113 days. Permethrin binds tightly to soil and is broken down primarily by microorganisms, but also photolysis.  
Summary: This product is extremely toxic to fish. Do not apply directly to water. Drifts and runoff from treated areas may be hazardous to aquatic organisms in treated areas.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal: If Empty:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**If partially filled:** Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground.

## SECTION 14: TRANSPORT INFORMATION

**DOT:** Not regulated.  
**IATA:** Not regulated.  
**IMDG:** Not regulated.  
**FMCC:** Insecticide, liquid, other than agricultural NOIBN.

## SECTION 15: REGULATORY INFORMATION

This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

### CAUTION: KEEP OUT OF REACH OF CHILDREN

Causes moderate eye irritation.

#### 15.1 US Federal Regulations

Summit® Permacide P-1
Not listed on the United States TSCA (Toxic Substances Control Act) Inventory

Section 302/TPQ: CONTAINS NO COMPONENTS LISTED UNDER SECTION 302.

(EMERGENCY PLANNING)

SECTION 304/EHS RQ: CONTAINS NO COMPONENTS LISTED UNDER SECTION 304.

(RELEASE NOTIFICATION)

CERCLA RQ: NOT REGULATED BY CERCLA

(RELEASE NOTIFICATION)

SECTION 311/TIER II: ACUTE HEALTH HAZARD.

(MSDS SUBMISSION)

SECTION 313/TRI: 0.25% PERMETHRIN, CAS – 52645-53-1

CHEMICALS:

RCRA HAZ-WASTE: NONE

CODE(S):

CAA TQ: NONE

(AIR EMISSIONS)

EPA/FIFRA TOXICITY: CATEGORY 4.

CATEGORY:

EPA SIGNAL WORD: CAUTION.

STATE SPECIFIC REGULATIONS: NONE

INTERNATIONAL REGULATIONS: NONE

**SECTION 16: OTHER INFORMATION**

HMIS/NFPA CLASSIFICATION:

FIRE – 0

HEALTH – 1

REACTIVITY – 0

SPECIAL – NONE

DATE OF LAST REVISION: 2-14-2020

HAZCOM TRAINING:

YES

NECESSARY:

NFPA AND GHS RATINGS ASSIGNED TO THIS PRODUCT ARE BASED ON THE HAZARDS OF ITS INGREDIENTS. BECAUSE THE CUSTOMER IS MOST AWARE OF THE APPLICATION OF THE PRODUCT, HE/SHE MUST ENSURE THAT THE PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) IS PROVIDED CONSISTENT WITH INFORMATION CONTAINED IN THE PRODUCT SDS/LABEL.