

# Summit Chemical Co.

## Material Safety Data Sheet

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### Summit Super Permacide ® II

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This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Summit Super Permacide ® II  
**EPA REGISTRATION NUMBER:** 6218-79  
**MSDS IDENTIFICATION CODE/NO.:**  
**CHEMICAL NAME:** Mixture; a.i.'s, tetramethrin, permethrin and piperonyl butoxide  
**PRODUCT DESCRIPTION:** A board spectrum oil based trigger spray insecticide. For Indoor/outdoor residential use to kill: ants, carpet beetles, centipedes, cockroaches, crickets, bees, carpenter ants, earwigs, firebrats, fleas, flour beetles, grain beetles, ground beetles, millipedes, mole crickets, moths, pillbugs, scorpions, silverfish, sowbugs, spiders, ticks and many other crawling insects.

Permacide is a registered trademark of Summit Chemical Co.

**MANUFACTURER**  
Summit Chemical Co.  
235 South Kresson Street  
Baltimore, MD 21224

**EMERGENCY TELEPHONE NUMBERS**  
HEALTH EMERGENCY OR SPILL (24 hr):  
Within the United States 800-424-9300  
Outside the United States 800-424-9300

### PRODUCT INFORMATION

Summit Chemical Co.:  
(800) 227-8664

[www.summitchemical.com](http://www.summitchemical.com)

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name (CAS #) [Chemical Name]	Weight Percent	Exposure Limit	Ref.
<b>Piperonyl butoxide (51-03-6) *</b> 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole	= 0.50	None established	
<b>Tetramethrin (7696-12-0) *</b> (1,3,4,5,6,7-hexahydro-1,3-dioxo-2 <i>H</i> -isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]  Synthetic Pyrethroid	= 0.10	None established	
<b>Permethrin (52645-53-1) *</b> (3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate]  Synthetic Pyrethroid	= 0.25	None established	
<b>Inert Ingredients Containing: **</b>	= 99.15		
<b>Aliphatic Petroleum Distillates (64742-47-8)</b>	< 99	None established	

\* Active Ingredient

\*\* Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identity is withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposures, spills, or safety assessments can be obtained by a treating physician or nurse by calling (800)424-9300 (within the United States) or (800)424 9300 (outside the United States) at any time.

## SECTION 3: HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

**CAUTION:**

- HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN
- EYE IRRITANT
- TOXIC TO FISH AND AQUATIC INVETEBRATES

**POTENTIAL HEALTH EFFECTS**

**Acute Toxicity (Primary Routes of Exposure):** Inhalation, eye and skin contact

**Signs and Symptoms of Systemic Effects:** May cause gastrointestinal effects such as nausea, vomiting and diarrhea. Based on animal studies, symptoms of overexposure to this product include diarrhea, yellow nasal discharge and activity decrease. Ingestion or inhalation of large quantities can cause respiratory tract and eye irritation as well as nervous system effects such as dizziness, loss of coordination, tremors and loss of consciousness.

**Eye:** Moderately irritating.

**Skin:** Moderately irritating. Prolonged or repeated contact may result in allergic reactions contact dermatitis which is characterized by dryness, chapping and reddening.

**Ingestion:** Harmful if swallowed. Ingestions of small quantities are usually nonfatal unless aspiration occurs. If aspiration occurs during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death

**Inhalation:** Harmful if inhaled.

**SECTION 4: FIRST AID MEASURES****EMERGENCY NUMBER**

**Within the United States (800) 424-9300**

**Outside the United States (800) 424-9300**

**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:** Move 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 advice.

**NOTES TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

**HINTS FOR THE PHYSICIAN:** This product contains a Pyrethroid. If a small amount is ingested (or if treatment is delayed) oral administration of large amounts of activated charcoal and a cathartic is probably sufficient therapy.

Do not administer milk, cream or other substances containing vegetable or animal fats, which enhance the absorption of lipophilic substances.

**SECTION 5: FIRE FIGHTING MEASURES**

**FLASH POINT:** 192°F (89°C)    **METHOD:** TCC    **FLAME EXTENTION:** NA

**AUTOIGNITION:** NA

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, or Water

**FLAMMABLE LIMITS** (% by volume in air):    Lower: NA    Upper: NA

**FIRE AND EXPLOSION HAZARDS:** Do not use or store near hear or open flame.

**FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

**HAZARDOUS COMBUSTION PRODUCTS:** May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**EMERGENCY PHONE NUMBER:** Within the United States **(800) 424-9300**  
Outside the United States **(800) 424-9300**

**OBSERVE PRECAUTIONS IN SECTION 8: PERSONAL PROTECTION**

Remove all sources of ignition.

Ventilate area. Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.

**GENERAL AND DISPOSAL:** Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure that the disposal is in compliance with all Federal, Provincial, and local regulations (See Section 13 for applicable RCRA Number). Refer to Section 15 for applicable Reportable Quantity (RQ) and other regulatory requirements.

**SPILL OR LEAK****CONTAINMENT:**

Soak up liquid with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. and dispose of in trash. Place in an approved chemical waste container for disposal. Do not allow spill material to enter any body of water. ■

**CLEANUP:**

Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

## SECTION 7: HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

Remove pets and birds and cover fish aquaria before spraying. Prevent re-entry of dogs and cats into treated area until spray deposits are dry. Toxic to fish and aquatic invertebrates, do not apply directly to water.

In home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Cover or remove exposed food. Do not use in commercial food/feed handling establishments, restaurants, or other areas where food is commercially prepared, processed or served.

**STORAGE PRECAUTIONS:** Do not contaminate water, food or feed by storage or disposal. Store product in original container in a cool, dry area away from children and pets. Do not store near heat or open flame.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE PROTECTION:** Not required with normal use, unless label directs otherwise.

**RESPIRATION/VENTILATION:** Use in a well ventilated area. Vacate premise during use and ventilate before reoccupying.

**SKIN PROTECTION:** Not required with normal use, unless label directs otherwise.

**OTHER/GENERAL PROTECTION:** Keep out of reach of children. Avoid contamination of feed and foodstuffs.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Light tan liquid
<b>ODOR:</b>	Odorless to faint deodorized kerosene odor.
<b>PHYSICAL STATE:</b>	Liquid
<b>SOLUBILITY (H<sub>2</sub>O):</b>	NA
<b>pH:</b>	NA
<b>DENSITY/SPECIFIC GRAVITY</b>	6.50 lb/gal @ 25°C
<b>VISCOSITY</b>	20.3 cps @ 22°C

## SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizing agents and acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc.

**OXIDATION/REDUCTION PROPERTIES:** Product does not have the potential to act as a strong oxidizing or reducing agent.

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**ACUTE** (Product Specific Information): No acute toxicity data is available for this formulation. Acute toxicity has been completed on a similar formulation EPA Reg. No. 73049-163, containing 0.20% Tetramethrin, 0.50% Permethrin and 1.0% Piperonyl Butoxide.

<b>Oral Toxicity LD<sub>50</sub> (rat):</b>	>5,000 mg/kg	IV EPA Tox Category
<b>Dermal Toxicity LD<sub>50</sub> (rabbit):</b>	> 5,000 mg/kg	IV EPA Tox Category
<b>Inhalation Toxicity LC<sub>50</sub> (rat):</b>	> 4.73 mg/l	IV EPA Tox Category
<b>Eye Irritation (rabbit):</b>	Mild irritant	III EPA Tox Category
<b>Skin Irritation (rabbit):</b>	Slight irritant	IV EPA Tox Category
<b>Skin Sensitization (guinea pig):</b>	Sensitizer	

### TOXICITY OF ACTIVE INGREDIENTS:

#### TETRAMETHRIN, PERMETHRIN AND PIPERONYL BUTOXIDE:

##### CHRONIC/CARCINOGENICITY:

A statistically significant increase in the number of benign liver tumors appeared in mice fed piperonyl butoxide technical at doses which far exceed any anticipated daily human intake. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.

A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

##### TERATOGENICTY (BIRTH DEFECTS)

There were no birth defects or adverse effects on reproductive parameters in tests with rats and rabbits for piperonyl butoxide. They are no considered to be teratogenic.

Permethrin was not teratogenic when tested in rats.

##### MUTAGENICITY (GENETIC EFFECTS)

PBO was not genotoxic in several tests including the Ames mutagenicity assay, chromosome aberration in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

Permethrin did not produce any mutagenic effects when tested in the Ames test.

**CARCINOGENICITY:** NTP: No IARC: No OSHA: No

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

**ACUTE AND LONG-TERM TOXICITY TO FISH AND INVERTEBRATES:**

This product is highly toxic to fish and aquatic invertebrates.

**OTHER ENVIRONMENTAL INFORMATION:**

Do not apply directly to water. Do not contaminate water by disposal of wastes.

## SECTION 13: DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available.

### RCRA INFORMATION

**RCRA HAZARDOUS WASTE INGREDIENTS:** None

## SECTION 14: TRANSPORT INFORMATION

**D.O.T. PROPER SHIPPING NAME:** Not DOT Regulated

**RQ:** NA

**D.O.T. HAZARD CLASS:** NA

**U.N./N.A. NUMBER:** NA

**REMARKS:** NA

**EXEMPTION REQUIREMENT:** NA

## SECTION 15: REGULATORY INFORMATION

**REGULATIONS UNDER FIFRA:** All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

**EPA Registration Number:** 6218-79

**OTHER U.S. FEDERAL REGULATIONS:**

**TSCA Inventory:** Registered Pesticide, exempt from TSCA.

**SARA TITLE III:**

This product contains the following toxic chemicals subject to the reporting requirements

of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS NUMBER	INGREDIENT NAME	PERCENT BY WEIGHT
51-03-6	Piperonyl butoxide	= 0.50
7696-12-0	Tetramethrin	= 0.10
52645-53-1	Permethrin	= 0.25

**SARA Title III:**

Acute Health Hazard - Yes  
Chronic Health Hazard - No  
Fire Hazard - No  
Sudden Release of Pressure - No  
Reactivity Hazard - No

This information must be included on all MSDSs that are copied and distributed for this material.

**REGULATED INGREDIENTS**

INGREDIENT: Piperonyl butoxide

CAS NUMBER: 51-03-6

PERCENT BY WEIGHT: = 0.50

Regulations: SARA Section 313 Toxic Chemical

State right-to-know: NJ

Canadian Domestic Substance List (DSL)

EINECS No. 200-076-7

INGREDIENT: Tetramethrin

CAS NUMBER: 7696-12-0

PERCENT BY WEIGHT: = 0.10

Regulations: SARA Section 313 Toxic Chemical

European Inventory of Existing Commercial Substances (EINECS)

INGREDIENT: Permethrin

CAS NUMBER: 52645-53-1

PERCENT BY WEIGHT: = 0.25

Regulations: State right-to-know: NJ, MA

SARA Section 313 Toxic Chemical

European Inventory of Existing Commercial Substances (EINECS)

INGREDIENT: Aliphatic Petroleum Distillates

CAS NUMBER: 64742-47-8

PERCENT BY WEIGHT: < 99

Regulations: Canadian DSL

EINECS

**STATE REGULATIONS:** Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities

**HMIS HAZARD RATING** - HEALTH: 1 Slight  
- FIRE: 2 Moderate  
- REACTIVITY: 0 Negligible  
- PROTECTION: B

**NFPA HAZARD RATING** - HEALTH: 1 Slight  
- FIRE: 2 Moderate



- REACTIVITY: 0 Negligible
- SPECIAL: -

**RATINGS:**

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4).

These values are obtained using professional judgment. Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS.

\* RQ: Reportable Quantity

\*\* RCRA waste codes must be determined on a case-by-case basis (i.e., spill, processing waste, etc.).

For information regarding potential adverse health effects from exposure to this product, refer to Sections 3 and 11.

**SECTION 16: OTHER INFORMATION**

<b>REASON FOR ISSUE:</b>	New Product
<b>REVISION NUMBER:</b>	0
<b>REVISION DATE:</b>	3/26/04
<b>SUPERSEDES DATE:</b>	NA
<b>EPA REGISTRY NUMBER:</b>	6218-79
<b>MSDS NUMBER:</b>	SUSUP

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

THE INFORMATION IN THIS MSDS IS BASED ON DATA AVAILABLE TO US AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT SUMMIT CHEMICAL COMPANY TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS.

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