

**TechPac, LLC.**  
**P.O. Box 24830 – Lexington, KY 40524**  
**Material Safety Data Sheet**

**GardenTech Sevin Ready To Use**  
This product is used by Homeowners and Professionals  
September 2009 Product Code(s): S2001, S2002, S2002D

**SECTION 1 - PRODUCT IDENTIFICATION**

Medical Emergency : 800-420-9347

Product Information: 866-945-5033

Transportation or Spill: 800-424-9300

EPA Reg. Number: 432-1211-71004

Chemical Name: Carbaryl; [1 Naphthyl N-Methylcarbamate]

Trade Name: Sevin Brand Carbaryl Insecticide

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**SECTION 2 - COMPOSITION**

<u>Component</u>	<u>Percentage</u>	<u>ACGIH Exposure Limit</u>	<u>OSHA Exposure Limit</u>
Carbaryl [CAS# 63-25-2]	0.126%	TLV - 5 mg/m3	PEL - 5 mg/m3
Inert Carrier	99.874%	TLV - N/E	PEL - N/E

(water & flowable thickeners)

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**SECTION 3 - HEALTH HAZARD DATA**

EMERGENCY OVERVIEW

A creamy, tan, odorless liquid:

- \* Harmful if swallowed.
- \* Extremely toxic to aquatic and estuarine invertebrates.
- \* Highly toxic to bees.
- \* Causes injury to Boston Ivy, Virginia Creeper and Maidenhair fern. During early season, may injure Virginia and Sand pines.

ROUTE(S) OF ENTRY: Ingestion

EYES: May cause minimal irritation.

SKIN: May cause slight irritation.

INGESTION: Harmful if swallowed.

SIGNS AND SYMPTOMS: Harmful if ingested. This product causes reversible cholinesterase inhibition. Repeated overexposure may cause more severe cholinesterase inhibition with more pronounced signs and symptoms. May lead to rapid onset of nausea, vomiting, diarrhea, abdominal pain, involuntary shaking, excess salivation, pinpoint pupils, blurred vision, profuse sweating, temporary paralysis, respiratory depression, and convulsions.

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**SECTION 4 - FIRST AID**

GENERAL: Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and SHOW A COPY OF THE PRODUCT LABEL TO THE PHYSICIAN. If poisoning is suspected in animals contact a veterinarian.

IF SWALLOWED: Induce vomiting and seek medical attention immediately.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash skin thoroughly with soap and water.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates or cholinesterase inhibiting drugs.

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**SECTION 5 - FIRE & EXPLOSION HAZARDS**

**FLASH POINT:** Aqueous base non-flammable.

**EXTINGUISHING MEDIA:** Water Fog; CO<sub>2</sub> or Chemical Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Foam/Fog system preferred. Remove closed case goods from path of fire. Use fog nozzles if water is used. Use air supplied or canister breathing masks for protection against burning case goods and containers. Containers may burst when exposed to high temperatures. Evacuate persons down wind.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** None known.

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**SECTION 6 - SPILL AND LEAK PROCEDURES**

Absorb spill with an inert material such as sand or earth. Carefully scoop up loose material and place in appropriate containers.

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**SECTION 7 - STORAGE & HANDLING**

**Storage:** Store unused product in an area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F.

**Storage Temperatures:** Ambient (Average Warehouse) Temperatures. Do not allow to freeze. **Shelf Life:** 1-2 YEARS

**Handling:** Avoid breathing spray mist. Do not take internally. Avoid contact with eyes, skin or clothing. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands thoroughly after handling.

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**SECTION 8 - SPECIAL PROTECTION INFORMATION**

**Respirator Type:** Outdoor product use. None needed.

**Eye Protection:** Safety glasses or goggles should be worn to protect against possible liquid or spray mist.

**Gloves:** House latex or rubber gloves.

**Other Protection:** Wear long-sleeved shirt, long pants, and shoes plus socks. Wear a hat when making overhead applications.

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**SECTION 9 - PHYSICAL DATA**

**Physical Form:** Liquid Flowable water base

**Color:** Creamy-Tan

**Odor:** None

**Vapor Pressure:** N/E

**Bulk Density:** N/A

**Specific Gravity:** 1.06

**Flash Point:** Non-Flammable

**pH:** 4.5 ± .5

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**SECTION 10 - REACTIVITY DATA**

**Stability:** Stable, water base product

**Polymerization:** Will not occur

**Conditions To Avoid:** Storage temperatures above 100 degrees will lead to non-hazardous decomposition. Alkalies and Strong Acids

**Decomposition Products:** Oxides of Nitrogen, Carbon, Sulfur and Methyl Isocyanate

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

**ACUTE INGESTION:** LD<sub>50</sub> ORAL (rat) > 1500 mg/kg

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

**EYE IRRITATION (rabbit):** Temporary irritation from spray mist.

**CHRONIC TOXICITY:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

Carbaryl has been shown to cause tumors in laboratory animals in lifetime feeding studies. Carbaryl, when administered by various routes, at doses toxic to the maternal animals, has been shown to produce developmental toxicity in a number of species. Carbaryl produces no teratogenic effect in the absence of maternal toxicity.

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**SECTION 12 - ECOLOGICAL INFORMATION**

This pesticide is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposal of wastes.

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

Do not use on Boston Ivy, Virginia Creeper and Maidenhair Fern as injury will result. During early season, it may also injure Virginia and Sand pines.

**ECOTOXICOLOGICAL INFORMATION:** The following data is based on the technical grade active ingredient(s) (TGAI).

**Ecotoxicological Information and Interpretation:**

- LC50 (mallard duck) > 5,000 mg/kg/8
- Dietary concentration LC50 (bobwhite quail) > 5,000 mg/kg/8 days
- Dietary concentration LC50 (rainbow trout) = 1,950 ug/1/96 hr
- Dietary concentration LC50 (bluegill sunfish) = 6,769 ug/1/96 hr

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**SECTION 13 - DISPOSAL**

Do not re-use empty containers. Wrap and discard in trash.

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**SECTION 14 - TRANSPORTATION**

Proper Shipping Name: GardenTech Sevin Ready To Use

Technical Name (if applicable):

UN Initial & Number: Not regulated      Class:      Packing Group:      RQ: Not required

Hazard Labels: None required

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**SECTION 15 - REGULATORY INFORMATION**

**SARA TITLE III:** Carbaryl, CAS# 63-25-2, 0.126%% is a SARA Title III, Section 313 Chemical.

**CERCLA; REPORTABLE QUANTITY:** Carbaryl, 100 lbs, 10,000 gallons of product

**IARC, NTP, OSHA Carcinogens:** None listed

**CALIFORNIA PROPOSITION 65:** None listed

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**SECTION 16 - OTHER INFORMATION**

**NOTICE FROM TECHPAC, LLC.**

The information contained herein is offered only as a guide to the handling of this specific material. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.

**ABBREVIATIONS KEY:**

N/A = Not available or applicable

N/E = Not established

TLV=Threshold Limit Value

PEL= Permissible Exposure Limit