

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

**GardenTech Daconil Fungicide Ready To Use**  
This product is used by Homeowners and Professionals  
September 2009      Product Code(s): S2112

**SECTION 1 - PRODUCT IDENTIFICATION**

Medical Emergency: 800-420-9347      Product Information: 866-945-5033  
Transportation or Spill: 800-424-9300  
EPA Reg. Number: 67572-2-71004  
Chemical Name: Chlorothalonil--Tetrachloroisophthalonitrile  
Trade Name: Daconil

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**SECTION 2 - COMPOSITION**

<u>Component</u>	<u>Percentage</u>	<u>ACGIH Exposure Limit</u>	<u>OSHA Exposure Limit</u>
Chlorothalonil [1897-45-6]	0.087%	TLV - N/E	PEL - N/E
Inert Ingredients	99.013%	TLV - N/E	PEL - N/E

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**SECTION 3 - HEALTH HAZARD DATA**

EMERGENCY OVERVIEW

A tan odorless, liquid that:  
\* Causes eye and skin irritation.  
\* May produce temporary allergic side effects.  
\* Is toxic to fish and other aquatic organisms.

**ROUTES OF ENTRY:** Skin contact

**EYES:** Causes eye irritation.

**SKIN:** Causes skin irritation. May produce temporary allergic side effects.

**SIGNS AND SYMPTOMS:** This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having allergic reactions should contact a physician.

**EFFECTS OF CHRONIC OVEREXPOSURE:** Repeated excessive dermal exposure may cause marked skin irritation and may increase the possibility of allergic reactions. Studies on rats and mice have suggested that technical chlorothalonil, when fed at high levels in the diet, may have oncogenic potential to these laboratory animals. However, neither chlorothalonil nor its metabolites interact with DNA and thus are not mutagenic. Tumor formation has been related to a non-genotoxic mechanism of action from which threshold levels have been established on rats and mice. Comprehensive dietary and worker exposure studies have shown exposure levels for humans to be well below these threshold levels – in addition, surveillance of chlorothalonil plant workers for many years has not demonstrated any increase in oncogenic potential to humans.

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**SECTION 4 - FIRST AID**

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash thoroughly with soap and water. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

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**SECTION 5 - FIRE & EXPLOSION HAZARDS**

**FLASH POINT:** 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. Evacuate people downwind. Containers may burst when exposed to high temperatures.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Wash based product presents minimum fire hazard.

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**SECTION 6 - SPILL & LEAK PROCEDURES**

Soak up all liquid and dispose of according to local waste disposal authorities. Keep from contaminating any water supply and protect from exposure to heat or open flame.

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**SECTION 7 - STORAGE & HANDLING**

Storage: Keep pesticide in original container. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

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

Handling: Do not get in eyes, on skin or on clothing. Wear long sleeved shirt, long pants, and rubber gloves while mixing and applying this product. Wash skin and hands thoroughly after using. Remove and wash contaminated clothing before reuse. Keep children and pets off treated area until dry.

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**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respirator Type: Avoid breathing spray mist. Dust/Mist filter suggested.

Eye Protection: Protective eyewear should be worn against possible liquid splash or spray mist.

Gloves: Rubber, chemical-resistant gloves.

Other Protection: Wear long sleeved shirt, long pants, and rubber gloves while mixing and applying this product

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**SECTION 9 - PHYSICAL DATA**

Physical Form: Liquid

Color: Tan

Odor: NONE

Vapor Pressure: N/E

Bulk Density: 8.35 lbs/gal

Specific Gravity: 1.00

pH: 7.0 ± 0.5

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**SECTION 10 - REACTIVITY DATA**

Stability: Stable

Polymerization: Will not occur

Conditions To Avoid: Storage above temperatures above 100 degrees will lead to non-hazardous decomposition.

Decomposition Products: If product becomes extremely hot; boiling; arsenic fumes may evolve.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute toxicological data is not available for this formulation.

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**SECTION 12 - ECOLOGICAL INFORMATION**

This product is toxic to fish and other aquatic organisms. Do not apply directly to water. Do not contaminate water by disposal of equipment washwaters. Do not apply when weather conditions favor drift of spray.

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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**

D.O.T. Shipping Name: GardenTech Daconil Fungicide Ready-to-Use

D.O.T. Hazard Class: Not regulated

D.O.T. Labels Required: None required

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**SECTION 15 - REGULATORY INFORMATION**

**SARA TITLE III 313 Inventory Ingredients:** Chlorothalonil (0.087% wt/wt)

**IARC, NTP, OSHA Carcinogen:** No ingredient in this material is listed as a carcinogen.

**CALIFORNIA:** This product contains no ingredients listed on Proposition 65.

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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