

1. IDENTIFICATION

Product name: **Quali-Pro® TM/C WDG Turf & Ornamental Fungicide**
 Chemical name of active ingredient(s): Chlorothalonil: Tetrachloroisophthalonitrile
 Thiophanate-methyl: Dimethyl 4,4-o-phenylenebis-(3-thioallophanate)
 Manufacturer: Makhteshim Agan of North America, Inc.
 4515 Falls of Neuse Road, Suite 300
 Raleigh, NC 27609
 Phone: 919-256-9300
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Chlorothalonil	1897-45-6	50.0	NE	NE	0.1 mg/m ³	IARC – 2B*
Thiophanate-methyl	23564-05-8	16.66	NA	NA	NA	NA

NE=not established

*IARC Group 2B: The agent is possibly carcinogenic to humans.

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: Light bluish gray solid granules
 Odor: Slightly pungent

EMERGENCY OVERVIEW: DANGER Corrosive. Causes irreversible eye damage. Do not get in eyes or on skin or clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PRIMARY ROUTES OF EXPOSURE: Inhalation, ingestion, skin and eye contact.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride and oxides of nitrogen, sulfur and carbon.

4. FIRST AID MEASURES

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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.

IF INHALED:	<ul style="list-style-type: none">• 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prosar at 1-877-250-9291 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS: LFL/UFL: Not applicable

EXTINGUISHING MEDIA: Dry chemical, water spray, foam, CO₂ or sand.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May decompose under fire conditions emitting toxic and irritant gases (i.e. hydrogen chloride) to the respiratory tract.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride and oxides of nitrogen, sulfur and carbon.

FIRE-FIGHTING PROCEDURES: If product is involved in a fire, wear positive-pressure, self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Keep out of lakes, streams or ponds. Contain spill. Remove as much as possible (shovel up and sweep out), remove contaminated soil. Do not contaminate water while cleaning equipment or disposing of wastes.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: **Open dumping is prohibited.** Keep container closed to prevent spills and contamination. Carefully open containers. After partial use, replaced lid and close tightly.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a cool dry place. Do not contaminate water, food or feed by storage or disposal.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Protective eyewear (e.g., chemical splash goggles or full-face shield).

SKIN PROTECTION: Long-sleeved shirt, long pants and shoes plus socks.

HAND PROTECTION: Chemical-resistant gloves, e.g., nitrile, neoprene.

RESPIRATOR REQUIREMENTS: Atmospheric levels should be maintained below the exposure guidelines. For most conditions, no respiratory protection should be needed; however, if handling without sufficient ventilation, use NIOSH-approved air-purifying respirator with N, P or R 95 class filter and an organic vapor cartridge.

ADDITIONAL PROTECTIVE MEASURES: Discarded clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light bluish gray solid granules

ODOR: Slightly pungent

FLASH POINT: Not applicable

pH: N/A

SOLUBILITY IN WATER: Dispersible

BULK DENSITY: 46 lbs/ft³

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal use and storage conditions.

HAZARDOUS POLYMERIZATION: Not applicable

INSTABILITY CONDITIONS AND MATERIALS: May decompose under fire conditions emitting gases and vapors (i.e. hydrogen chloride) which may be toxic and irritating to the respiratory tract.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride and oxides of nitrogen, sulfur and carbon.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD₅₀ (Rat): > 5,000 mg/kg

Acute Dermal LD₅₀ (Rabbit): > 2,000 mg/kg

Acute Inhalation LC₅₀ (Rat): Not available

Eye Irritation: Not available

Dermal Irritation: Not available

Dermal Sensitization: Not available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is toxic to aquatic invertebrates and wildlife. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: Pesticide wastes are 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: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Packaging < 60 lbs : Not regulated

Packaging = or > 60 lbs : UN3077, Environmentally hazardous substances, solid, N.O.S. (Thiophanate-methyl), 9, PGIII, RQ

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not regulated

IATA (air): Not regulated

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.

Section 311/312: Acute health hazard (immediate)

Delayed health hazard (chronic)

Section 313: Chlorothalonil (50.0%) CAS# 1897-45-6

Thiophanate-methyl (16.66%) CAS# 23564-05-8

CA PROPOSITION 65: This product contains a chemical (chlorothalonil) that is known to the State of California to cause cancer. This product contains a chemical (thiophanate-methyl) that is known to the State of California to cause female and male reproductive toxicity.

CERCLA RQ: Thiophanate-methyl RQ = 10 lbs. (Product = 60 lbs)

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

MSDS DATE: 2-8-10

The information herein is given in good faith, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.