

# MAINSAIL™ 6.0 F

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Mainsail™ 6.0 F  
**Active Ingredient:** Chlorothalonil  
**Chemical Name:** Tetrachloroisophthalonitrile  
**Chemical Formula:** C<sub>8</sub>Cl<sub>4</sub>N<sub>2</sub>

#### COMPANY IDENTIFICATION:

PROKōZ, Inc.  
100 North Point Center E.  
Suite 330  
Alpharetta, GA 30022

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chlorothalonil CAS No. 1897-45-6 54.0%

### 3. HAZARD IDENTIFICATION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**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 from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Chlorothalonil can contaminate surface water through spray drift. Under some conditions, it may have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with

readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

### 4. FIRST AID

**IF ON SKIN OR CLOTHING:** 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.

**IF IN 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.

**IF INHALED:** 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 treatment advice.

**IF SWALLOWED:** 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.

**NOTE TO PHYSICIAN:** Persons suffering with temporary allergic skin reactions may respond to treatment with oral antihistamines and topical or oral steroids.

### 5. FIRE-FIGHTING MEASURES

**Flash point:** N/A

**Flammable Limits (LFL-UFL):** N/A

**Fire and Explosion Hazards:** Not Flammable.

**Means of Extinction:** Use foam, dry chemical, carbon dioxide.

**Fire Fighting Instructions:** Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to

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**Emergency Phone: Chemtrec 800-424-9300**  
**Effective Date: September 06, 2006**  
**EPA Reg. No. 72112-6**

fire with water spray. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

**Fire Fighting Equipment:** Self-contained breathing apparatus with full face piece and full protective clothing (bunker gear).

**Hazardous Combustion Products:** Irritating and possibly toxic gases may form from thermal decomposition or combustion.

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Do not allow material to enter streams, sewers or other waterways.

Cover entire spill with absorbing material and place in covered container for disposal. Scrub contaminated area with hard water detergent such as Tide, Joy, Spic and Span, etc. Pick up wash liquid with additional absorbent and place into the disposal container.

## 7. HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** To avoid exceeding exposure limits, handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Chemical-resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride (PVC). Long-sleeved shirt, long pants and shoes plus socks.

**General:** Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light Gray Liquid

**Odor:** Slight

**pH:** 6.5 – 8.5

**Flashpoint:** Not established

**Density:** 1.34 g/mL

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

**CHEMICAL STABILITY:** Stable under normal storage and use conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May form toxic gasses at high temperatures.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): > 5,000 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 2,000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): > 0.704 mg/L

### EYE IRRITANT

Rabbit – Moderately Irritating

### SKIN IRRITATION

Rabbit – Mildly Irritating

### SENSITIZATION

Guinea pig – Contact Sensitizer

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known.

### CARCINOGENICITY:

**ACGIH:** Not listed

**IARC:** Listed as Possible Human Carcinogen (2B)

**NTP:** Not listed

**OSHA:** Not listed

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

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### 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated by DOT

DOT HAZARD CLASS OR DIVISION: N/A

DOT UN/NA NUMBER: N/A

DOT PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

MARINE POLLUTANT: Not Listed

DOT EMERGENCY RESPONSE GUIDE: N/A

### 15. REGULATORY INFORMATION

**FIFRA –**

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

**SARA Title III – Section 302 Extremely Hazardous Substances**

Not listed

**SARA Title III – Section 311/312 Hazard Categories**

Immediate, Delayed

**SARA Title III – Section 312 Threshold Planning Quantity**

N/A

**SARA Title III – Section 313 Reportable Ingredients**

Chlorothalonil

**CERCLA –**

None Listed

**CALIFORNIA PROP 65 STATUS –**

Not listed

### 16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

**DISCLAIMER:**

Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of PROKōZ, INC. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold PROKōZ, INC. and Seller harmless for any claims relating to such factors.

PROKōZ, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or PROKōZ, INC., and Buyer and User assume the risk of any such use. PROKōZ, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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