

### Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY
0	Least			Regulated in quantities of 119 gallons or greater, see Section 14 for additional information.
1	Slight	2	Health	
2	Moderate	1	Flammability	
3	High	0	Reactivity	
4	Severe			

SECTION 1: IDENTIFICATION	
<b>Product Name:</b> Praiz® NG <b>EPA Registration #:</b> 66222-276-1381 <b>Common Name:</b> Chlorothalonil <b>Chemical Description:</b> Tetrachloroisophthalonitrile <b>Recommended Uses:</b> Fungicide <b>Restrictions for Use:</b> See product label for restrictions.	
<b>Manufactured For:</b> <b>WINFIELD SOLUTIONS, LLC</b> P.O. Box 64589 St. Paul, MN 55164-0589	<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b>  <b>Non-Emergency Business Inquiries: 1-855-494-6343</b> Mon – Fri 8am – 5pm (Central Standard Time)
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b> <b>CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>POTENTIAL HEALTH EFFECTS:</b> <b>Eyes:</b> Avoid contact with eyes. <b>Skin:</b> May cause an allergic skin reaction. <b>Inhalation:</b> Toxic if inhaled. <b>Ingestion:</b> Harmful if swallowed.	
<b>Preexisting Conditions:</b> NA <b>Chronic Health Effects:</b> NA	
<b>Carcinogenicity</b>	NTP: Not Listed IARC: Group 2B (Possibly Carcinogenic to Humans) OSHA: X (Present) ACGIH
The table above indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.	
This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.	
<b>OSHA HCS 2012 CLASSIFICATION:</b>	
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Acute toxicity - Oral	Category 4
Skin Sensitizer	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
<b>SIGNAL WORD: DANGER</b>	

**HAZARD STATEMENTS:**

Toxic if inhaled  
Harmful if swallowed  
May cause an allergic skin reaction  
Suspected of causing cancer  
May cause respiratory irritation



**PRECAUTIONARY STATEMENTS:**

**Prevention:**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Do not breathe dust/fume/gas/mist/vapors/spray  
Do not eat, drink, or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Wear respiratory protection  
Wash hands and face thoroughly after handling  
Contaminated clothing must not be allowed out of the workplace

**Response:**

If exposed or concerned: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a poison center or doctor/physician immediately  
IF SWALLOWED: Rinse mouth. Call a poison center or physician if you feel unwell

**Storage:**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Disposal:**

Dispose of contents/container to an approved waste disposal plant

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>% (wt)</b>	<b>CAS Reg. #</b>
Chlorothalonil	54.0	1897-45-6
Proprietary Solvent	Proprietary	Proprietary
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

**SECTION 4: FIRST AID MEASURES**

<b>Inhalation:</b>	Remove to fresh air. Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Call a physician or poison control center immediately.
<b>Ingestion:</b>	Do not induce vomiting, unless directed by medical personnel. Never give anything by mouth to an unconscious person. If conscious, give 1 glass of water to dilute.
<b>Eyes:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Skin:</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
<b>Notes to Physician</b>	Treat symptomatically. Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**MOST IMPORTANT SYMPTOMS AND EFFECTS**

**SYMPTOMS:** Direct contact with skin can cause irritation or redness. Causes serious eye damage. May cause respiratory irritation. Vapors may cause irritation to nose, throat, and respiratory tract. High vapor concentrations may cause central nervous system depression which can lead to dizziness, weakness and headache.

### SECTION 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Carbon dioxide, or dry foam.

**Special Fire Fighting Procedures:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.

**Hazardous Combustion Products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Hydrogen chloride.

**Unusual Fire and Explosion Hazards:** NA

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

**Environmental Precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-up:** Vacuum or sweep up material and place in a disposal container. Wash area with soap and water. Pick up wash liquid with inert absorbent and place in a chemical waste container for disposal.

**Other Information:** NA

### SECTION 7: HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Avoid spilling. Avoid breathing vapors or mists. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Open containers cautiously. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink, smoke, or apply cosmetics while handling this product.

**Storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Keep/store only in original container. Store locked up. Protect from excessive heat. Keep away from food, drink and animal feeding stuffs. Do not use food or drink containers for mixing or storage. Store at ambient conditions.

**Incompatible Materials:** Metals such as aluminum, tin, and zinc. Alkaline conditions.

**Minimum Storage Temperature:** NA

**Other Precautions:** Consult Federal, state and local laws and regulations pertaining to storage.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Proprietary Solvent	Not established	Not established	TWA: 10 mg/m <sup>3</sup>

**Respiratory Protection:** NIOSH-approved respirator or mask in the absence of adequate ventilation.

**Engineering Controls:** **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**Protective Gloves:** Use chemical resistant gloves, such as P.V.C., butyl-rubber, nitrile-rubber, or neoprene.

**Eye Protection:** Wear safety glasses with side shields (or goggles). Goggles are recommended.

**Other Protective Clothing or Equipment:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear long-sleeved shirt, long pants, and shoes plus socks.

**Work/Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse. Discard 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.

Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H <sub>2</sub> O=1):	Not Determined
Vapor Pressure (mm Hg):	0.00000057 mmHg @77°F	Density (lbs/gallon):	11.433 lbs/gal (1.37 g/ml)
Vapor Density (Air=1):	Not Determined	Melting Point/Freezing Point:	Not Determined
Solubility in Water (wt %):	0.81 mg/l @ 77°F	Boiling Point/Range:	212°F
Viscosity:	Not Determined	pH:	6.5-8.5
Appearance and odor:	Light Gray /Slight odor	Flash Point:	Not Applicable

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.  
**Chemical Stability:** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions:** None under normal processing.  
**Conditions to Avoid:** Keep out of reach of children. Store away from foodstuffs, animal feed, and incompatibles. See Sec. 7  
**Handling & Storage:** Contact with incompatible materials.  
**Incompatible Materials:** Metals such as aluminum, tin, and zinc. Alkaline conditions.  
**Hazardous Decomposition Products:** May emit toxic fumes under fire conditions. Hydrogen chloride.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

**Eye Effects:** Not determined  
**Skin Effects:** Not determined  
**Acute Inhalation Effects:** Not determined  
**Acute Oral Effects:** Not determined  
**Specific Target Organ Toxicity:** Not determined

#### CHRONIC TOXICITY

**Chronic Effects:** Not determined  
**Carcinogenicity:** Not determined  
**Mutagenicity:** Not determined  
**Teratogenicity:** Not determined  
**Reproductive Toxicity:** Not determined

### SECTION 12: ECOLOGICAL INFORMATION

#### ENVIRONMENTAL SUMMARY:

#### ECOTOXICITY DATA:

**Fish Acute and Prolonged Toxicity:** 0.012: 96 h Oncorhynchus mykiss mg/L LC50 semi-static  
0.0076: 96 h Oncorhynchus mykiss mg/L LC50 flow-through  
0.0221 - 0.032: 96 h Lepomis macrochirus mg/L LC50 flow-through  
0.045 - 0.057: 96 h Lepomis macrochirus mg/L LC50 static  
**Aquatic Invertebrate Acute Toxicity:** 0.0342 - 0.143: 48 h Daphnia magna mg/L EC50 Static  
**Aquatic Plant Toxicity:** 0.57: 72 h Desmodium subspicatus mg/L EC50  
0.0068: 72 h Pseudokirchneriella subcapitata mg/L EC50 static  
**Bird Acute and Prolonged Toxicity:** Not determined.  
**Honeybee Toxicity:** Not determined.

#### ENVIRONMENTAL EFFECTS:

**Mobility:** Chlorothalonil Partition Coefficient: 2.9  
**Persistence and degradability:** Not determined.  
**Bioaccumulative Potential:** Not determined.  
**Other adverse effects:** Not determined

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

**SECTION 14: TRANSPORT INFORMATION**

<b>DOT:</b> <b>(Ground)</b>	Package size less than 119 Gallons (450 Lt.): Not regulated Package size larger than 119 Gallons (450 Lt.): UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (CHLOROTHALONIL), Marine Pollutant, 9, PG III
<b>IMDG:</b> <b>(Sea)</b>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (CHLOROTHALONIL), Marine Pollutant, 9, PG III
<b>IATA:</b> <b>(Air)</b>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (CHLOROTHALONIL), Marine Pollutant, 9, PG II
<b>TDG:</b> <b>(Canada)</b>	Not Determined

**Section 15—Regulatory Information**

**TSCA Inventory:** All ingredients are listed or exempt from listing on Chemical Substance Inventory

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

**SARA Title III Information:**

**Section 302 - Extremely hazardous substances:** None listed.

<b>Section 311/312 – Hazard Categories:</b>	Acute Health Hazard	Yes
	Chronic Health Hazard	Yes
	Fire Hazard	No
	Sudden Release of Pressure Hazard	No
	Reactive Hazard	No

**Section 313** – The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Chlorothalonil	1897-45-6	52.38-55.62	0.1

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word: Caution

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.

**California Proposition 65:** This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Chlorothalonil - 1897-45-6	Carcinogen

**U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):**

**Chemical Name**

Chlorothalonil

**CAS #**

1897-45-6

**State(s)**

NJ, MA, PA

**WHMIS Classification:** Not determined.

**Section 16—Other**

**Disclaimer:** The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

**Revision Date:** 01/06/2021 (NEW)

**Supersedes document dated:** NA

**Sections Revised:** NA