


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

SECTION 1: IDENTIFICATION	
<b>Product Name:</b> Topaz® Fungicide <b>EPA Registration #:</b> 42750-211-1381 <b>Common Name:</b> Propiconazole <b>Chemical Description:</b> 1-[ [2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1,2,4 triazole <b>Recommended Uses:</b> Fungicide <b>Restrictions for Use:</b> See product label for restrictions.	<b>MEDICAL EMERGENCY TELEPHONE NUMBER:</b> 1-877-424-7452 (24hrs)  <b>Non-Emergency Business Inquiries:</b> 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
<b>Manufactured For:</b> WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b> CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION													
<table border="1"> <tr> <td>Acute toxicity - Oral</td> <td>Category 4</td> </tr> <tr> <td>Acute toxicity - Inhalation (Dusts/Mists)</td> <td>Category 4</td> </tr> <tr> <td>Skin sensitization</td> <td>Category 2</td> </tr> <tr> <td>Carcinogenicity</td> <td>Category 1B</td> </tr> <tr> <td>Reproductive toxicity</td> <td>Category 1B</td> </tr> <tr> <td>Flammable liquids</td> <td>Category 4</td> </tr> </table>	Acute toxicity - Oral	Category 4	Acute toxicity - Inhalation (Dusts/Mists)	Category 4	Skin sensitization	Category 2	Carcinogenicity	Category 1B	Reproductive toxicity	Category 1B	Flammable liquids	Category 4	
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Flammable liquids	Category 4												
<b>Carcinogenicity</b> NTP: Naphthalene IARC: Naphthalene: 2B OSHA: Not listed													
<b>SIGNAL WORD:</b> WARNING													
<b>HAZARD STATEMENTS:</b> Harmful if swallowed Harmful if inhaled May cause an allergic skin reaction May cause cancer May damage fertility or the unborn child Combustible liquid													
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Do not breathe dust/fume/gas/mist/vapors/spray													

	<p>Use only outdoors or in a well-ventilated area                  Wear respiratory protection                  Contaminated work clothing must not be allowed out of the workplace                  Keep away from flames and hot surfaces. - No smoking                  Keep cool</p>
<b>Response:</b>	<p>IF exposed or concerned: Get medical advice/attention                  Specific treatment is urgent                  IF ON SKIN: Wash with plenty of water and soap                  If skin irritation or rash occurs: Get medical advice/attention                  Wash contaminated clothing before reuse                  IF INHALED: Remove person to fresh air and keep comfortable for breathing                  Immediately call a POISON CENTER or doctor                  IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell                  Rinse mouth</p>
<b>Storage:</b>	<p>In case of fire: Use CO2, dry chemical, or foam to extinguish                  Store locked up                  Store in a well-ventilated place. Keep container tightly closed</p>
<b>Disposal:</b>	<p>Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations. See pesticide label for further information on pesticide disposal.</p>

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Propiconazole	41.0-42.0	60207-90-1
Propylene Glycol	0.5-1.5	57-55-6
Aromatic solvent (contains)*	45.0 – 55.0	64742-94-5
*Naphthalene	4.5-5.0	91-20-3
*Trimethylbenzene	0.5-1.0	95-63-6
*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>	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.
<b>Ingestion:</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
<b>Eyes:</b>	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.
<b>Skin:</b>	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.
<b>Note To Physician:</b>	Contains petroleum distillate - vomiting may cause aspiration pneumonia. Have a product container or label with you when calling a poison control center or doctor or going for treatment.

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**Special Fire Fighting Procedures:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Dike and collect water used to fight fire to prevent environmental damage due to run off.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus with full facepiece.

Minimize use of water to prevent environmental contamination. Contact your State Pesticide or Environmental Control Agency, or nearest EPA Regional Office for guidance on disposal.

**Unusual Fire and Explosion Hazards:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

**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:** Minimize use of water to prevent environmental contamination.

**Methods for Clean-up and Containment:** IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**SMALL SPILL:** Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

**LARGE SPILL:** Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Use only in a well-ventilated area.

**Storage:** Store in original container with lid tightly closed. Keep away from food, feed and drinking water. Store in a well-ventilated dry place away from heat and other sources of ignition.

**Minimum Storage Temperature:** Not Determined

**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
<b>COMPONENT</b>			
Propiconazole	Not listed	Not listed	Not listed
Naphthalene	10 ppm	10 ppm TWA 15 ppm ST	Not listed
Trimethylbenzene	Not listed	Not listed	Not listed

**Respiratory Protection:** Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Local mechanical exhaust ventilation may be required.

**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:** Chemical-resistant gloves, such as barrier laminate, or viton.

**Eye Protection:** Safety glasses or goggles.

**Other Protective Clothing or Equipment:** Long-sleeved shirt and long pants, Shoes plus socks.

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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Work/Hygienic Practices:** 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):	1.02 – 1.06
Vapor Pressure (mm Hg):	5.6 x 10 <sup>-2</sup> mPa (25°C) (Propiconazole)	Density (lbs/gallon):	1.02 – 1.06 g/ml (8.51 – 8.85 lb/g)*
Vapor Density (Air=1):	Not applicable.	Melting Point/Freezing Point:	No data available.
Solubility in Water (wt %):	Emulsifies	Boiling Point/Range:	No data available.
Viscosity:	10.77 cSt (20°C); 5.44 cSt (40°C)	pH:	4.85 – 5.85
Appearance and odor:	Transparent dark yellow liquid and Estery odor	Flash Point:	69.3°C

\*Listed density is an approximate value and does not necessarily represent that of a specific batch.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity: None known.  
 Chemical Stability: Stable, however may decompose if heated.  
 Possibility of Hazardous Reactions: Product will not undergo polymerization.  
 Conditions to Avoid: Avoid temperatures above (125°F, 48°C)  
 Incompatible Materials: Acidic and oxidizing materials.  
 Hazardous Decomposition Products: Hydrogen chloride, Oxides of nitrogen.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY**  
 Eye Effects: Moderate irritant (Rabbit)  
 Skin Effects: Moderate irritant (Rabbit)  
 Sensitization: Potential sensitizer (Guinea Pig)  
 Acute Inhalation Effects: LC50 (rat) > 2.02 mg/L  
 Acute Oral Effects: LD50 (rat) > 1,000 mg/Kg  
 Acute Dermal Effects: LD50 (rat) > 2,000 mg/Kg  
 Specific Target Organ Toxicity: Not determined.

**CHRONIC TOXICITY**  
 Chronic Effects: Not determined.  
 Carcinogenicity: OSHA - Not Listed  
 NTP – Naphthalene  
 IARC - Naphthalene: 2B

Mutagenicity: Weight of evidence indicates that propiconazole is non-mutagenic.  
 Teratogenicity: Effects only noted at maternally toxic doses.  
 Reproductive Toxicity: Not determined.

**POTENTIAL HEALTH EFFECTS:**  
 Refer to Section 2 for health hazards.

**SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL SUMMARY:** This pesticide is very toxic to aquatic life with long lasting effects. 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 when disposing of equipment wash water.

**ECOTOXICITY DATA:**  
 Fish Acute and Prolonged Toxicity: 96 hour LC50, Rainbow trout – 0.8 ppm  
 96 hour LC50, Bluegill – 1.3 ppm  
 Aquatic Invertebrate Acute Toxicity:  
 Aquatic Plant Toxicity: Not Determined.

<b>Bird Acute and Prolonged Toxicity:</b>	Dietary LC50, Bobwhite quail – > 5,000 ppm Dietary LD50, Mallard duck - > 5,000 ppm
<b>Honeybee Toxicity:</b>	> 25 ug/bee
<b>ENVIRONMENTAL EFFECTS:</b>	
<b>Soil Absorption/Mobility:</b>	Propiconazole binds to soil and is immobile in most soil types.
<b>Persistence and degradability:</b>	Propiconazole is moderately persistent with a soil half-life of 30-365 days depending on soil type and weather conditions.
<b>Bioaccumulative Potential:</b>	Not Determined.
<b>Other adverse effects:</b>	No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS	
<b>Waste:</b>	Do not contaminate water, food, or feed by disposal. Dispose of in accordance with applicable Federal, state and local laws and regulations.
<b>Container:</b>	Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations. See pesticide product label for full instructions on disposal.
<b>RCRA Characteristics:</b>	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>	Containers ≤ 119 gallons - Containers > 119 gallons - distillate), PG III	Not regulated NA1993, Combustible liquid, N.O.S. (contains petroleum
<b>IMDG:</b> <b>(Sea)</b>	Not Determined.	
<b>IATA:</b> <b>(Air)</b>	Not Determined.	
<b>TDG:</b> <b>(Canada)</b>	Not Determined.	

Section 15—Regulatory Information			
<b>TSCA Inventory:</b> Contact supplier for inventory compliance status.			
Chemical name	CAS No	US TSCA Inventory Listing	US TSCA Active/Inactive Designation
Solvent Naphtha	-	-	Unknown *
Propiconazole Technical	60207-90-1	-	Unknown *
Naphthalene	91-20-3	Present	Active
1,2,4-Trimethylbenzene	95-63-6	Present	Active
Propylene Glycol	57-55-6	Present	Active
2-Ethylhexanol	104-76-7	Present	Active
Water	7732-18-5	Present	Active
*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements			
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.		
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.		
<b>ENCS</b>	Contact supplier for inventory compliance status.		
<b>IECSC</b>	Contact supplier for inventory compliance status.		
<b>KECL</b>	Contact supplier for inventory compliance status.		
<b>PICCS</b>	Contact supplier for inventory compliance status.		
<b>AICS</b>	Contact supplier for inventory compliance status.		
<b>Legend:</b>			

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**SARA Title III Information:**

**Section 311/312 – Hazard Categories:** Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**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	SARA 313 - Threshold Values %
Propiconazole Technical -	1.0
Naphthalene -	0.1

**CERCLA** - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Naphthalene	100 lb	-

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 required on the pesticide label:

**WARNING!**

Combustible liquid. Harmful if swallowed. Maybe harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes eye irritation.

Keep away from flames and hot surfaces. No smoking. Wear protective gloves/eye protection/face protection.

Wash hands thoroughly after handling. Do not eat drink or smoke when using this product.

Avoid breathing mist/vapors. Use only outdoors or in a well -ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**California Proposition 65:**

Chemical name	California Proposition 65
Naphthalene -	Carcinogen

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Propiconazole Technical	X	-	-
Naphthalene	X	X	X
1,2,4-Trimethylbenzene	X	X	X
Propylene glycol	X	-	X
2-Ethylhexanol	-	X	X

# Topaz® Fungicide

Water 7732-18-5	-	-	X	
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.

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Sections Revised: ALL