

**SAFETY DATA SHEET  
WINFIELD SOLUTIONS, LLC  
PROPICURE 3.6 F**

**1. IDENTIFICATION**

**PRODUCT NAME:** Propicure 3.6 F  
**EPA REGISTRATION NO.** 83222-18  
**CHEMICAL NAME OF ACTIVE INGREDIENT:** Propiconazole : 1-[[2-(2,4 – dichlorophenyl) -4- propyl-1, 3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole  
**PRODUCT TYPE:** Fungicide  
**COMPANY NAME:** Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-

**FOR EMERGENCY, SPILL, LEAK, FIRE,  
EXPOSURE, OR ACCIDENT, CALL CHEMTREC:** Phone: 1-800-424-9300  
**MEDICAL EMERGENCY TELEPHONE  
NUMBER:** Phone: 1-877-424-7452  
**NON-EMERGENCY BUSINESS INQUIRIES:** Phone: 1-855-494-6343  
Mon – Fri 8am – 5pm (CST)

**2. HAZARDS IDENTIFICATIONS**

Hazards information listed in this section are based on OSHA 2012 Hazard Communication Standard (29 CFR 1910.1200). See Section 15 for FIFRA information.

**HAZARD CLASSIFICATION:**

Acute oral toxicity: Category 4  
Eye irritation: Category 2B  
Skin sensitizer: Category 1  
Flammable liquid: Category 4  
Carcinogenicity: Category 2  
Aspiration: Category 1  
Aquatic acute and chronic: Category I

**SIGNAL WORD:** DAMGER

**HAZARD STATEMENTS:**

- Harmful if swallowed.
- Cause eye irritation
- May cause allergic skin reaction
- Combustible liquid
- Suspected of causing cancer (Naphthalene CAS No. 91-20-3)
- May be fatal if swallowed and enter airways (Aromatic hydrocarbon CAS No. 64742-94-5)
- Very toxic to aquatic life with long lasting effects

**PICTOGRAMS:**



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**PRECAUTIONARY STATEMENTS:**

- Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed: Call a poison center if you feel unwell. Rinse mouth.
- Wash hands thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice. Wear protective gloves and clothing. If on skin, wash with plenty of water. Call a poison center if you feel unwell. Take off contaminated clothing and wash it before reuse.
- Avoid breathing dust/mist/vapor and spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. If on skin: wash with plenty of water. If skin irritation or rash occurs, get medical advice. Wash contaminated clothing before reuse.
- Keep away from heat and hot surfaces, no smoking. Wear protective gloves, eye and face protection. In case of fire: Use water fog, CO<sub>2</sub>, foam or dry chemical to extinguish.
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, clothing, and eye and face protection.
- If swallowed, immediately call a poison center or a doctor. Do not induce vomiting.

Contact CHEMTREC for emergency medical treatment at 1-800-424-9300.

**PHYSICAL OR CHEMICAL HAZARDS:** Combustible. Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL:** See Section 7 and 13.

**OTHER HAZARDS:** See Section 11 and 12.

**3. COMPOSITION/INFORMATION ON INGREDIENT**

CHEMICAL NAME	CAS NUMBER	%
Propiconazole	60207-90-1	41.8
Total aromatic hydrocarbons contains:	64742-94-5	40-45
Naphthalene	91-20-3	4-5
Trimethylbenzene	95-63-6	< 1
Propylene Glycol	57-55-6	1-2

**4. FIRST AID MEASURES**

**FIRST AID**

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to a person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Contact 1-877-424-7452 for emergency medical treatment information.

**NOTE TO PHYSICIANS** There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give saline laxative and supportive therapy. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

## **5. FIRE FIGHTING MEASURES**

**FLASH POINT:** 64.6°C (148.3°F) – closed cup

**AUTOIGNITION TEMPERATURE:** Not available

**FLAMMABLE LIMITS:** Not available

**EXTINGUISHING MEDIA:** For small fire, use dry chemical, CO<sub>2</sub> or water spray. For large fire: use water spray, fog or regular foam.

**FIRE/EXPLOSION HAZARD:** Combustible liquid. Material can burn in fire releasing irritating and toxic gases due to thermal decomposition or combustion.

**FIRE FIGHTING PROCEDURES:** Keep unauthorized personnel away. Isolate fire area. Evacuate downwind. Wear positive pressure full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), NO<sub>x</sub> and chlorides.

## **6. ACCIDENTAL RELEASE MEASURES**

Eliminate all ignition sources. Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.

### **FOR SPILLS ON LAND:**

**CONTAINMENT:** Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents.

**CLEANUP:** Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash the area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

### **FOR SPILLS IN WATER:**

**CONTAINMENT:** This material forms an emulsion in water. Stop or reduce contamination of any water. Isolate contaminated water.

**CLEANUP:** Remove contaminated water for treatment or disposal.

## **7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep out of reach of children. Do not contaminate water, food, or feed by storage or disposal.

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**END USER MUST READ AND OBSERVE ALL PRECAUTION ON PRODUCT LABEL.**

**EYE PROTECTION:** Chemical goggles or full face shield.

**SKIN PROTECTION:** Coveralls over short-sleeved shirt and long-sleeved shirt and long pants. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton ≥ 14 mils. Shoes plus socks.

**RESPIRATORY/VENTILATION:** Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

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.

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**ENGINEERING CONTROLS:** Use adequate ventilation to minimize airborne concentrations of this material. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Refer to the product label for additional information regarding application of this product.

**USER SAFETY RECOMMENDATIONS:**

Users should:

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

**EXPOSURE LIMITS:**

CHEMICAL NAME	CAS NUMBER	ACGIH/TLV	OSHA/PEL	OTHER
Aromatic hydrocarbons	64742-94-5		NE	100 ppm * 525 mg/m <sup>3</sup>
Naphthalene	91-20-3	10 ppm 52 mg/m <sup>3</sup> (TWA)	10 ppm 50 mg/m <sup>3</sup> (TWA)	15 ppm (STEL)
Trimethylbenzene	95-63-6	25 ppm (TWA)	25 ppm (TWA)	NE

NE: Not established; NA: Not applicable.

\*Recommended by ExxonMobil.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear liquid

**ODOR:** Aromatic

**ODOR THRESHOLD:** Not available

**pH:** 5.4 -5.6

**FLASH POINT:** 64.6°C (148.3°F) – closed cup

**FLAMMABILITY:** Combustible

**DENSITY:** 1.053 g/ml

**WATER SOLUBILITY:** Soluble

**VISCOSITY:** 17.436 centipois@20°C

**FLAMMABILITY (Solid, Gas):** Not available

**UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS:** Not available

**AUTO-IGNITION TEMPERATURE:** Not available

**EXPLODABILITY:** Not applicable

**SOLUBILITY:** Not available

**PARTITION COEFFICIENT (n-Octanol/Water):** Not available

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY:** Not available

**FREEZING POINT:** Not available

**BOILING POINT:** Not available

**EVAPORATION RATE:** Not available

**DECOMPOSITION TEMPERATURE:** Not available

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** This product is stable under normal use and storage.

**CONDITIONS AND INCOMPATIBLE MATERIALS TO AVOID:** Protect from sunlight, flame and open sources of heat. Strong acids and strong bases.

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**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), NO<sub>x</sub> and chlorides.

**HAZARDOUS POLYMERIZATION:** Not known to occur.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY/IRRITATION STUDIES:**

Acute Oral LD50 (Rat):	1,030 mg/kg
Acute Dermal LD50 (Rat):	> 5,000 mg/kg
Acute Inhalation LC50 (Rat):	> 2.04 mg/L (4-hr)
Eye Irritation:	Moderately irritating.
Skin Irritation:	Moderately irritating.
Dermal Sensitization (Guinea Pig):	Not a contact sensitizer

**SUNCHRONIC TOXICITY:** Repeated overexposure to Propiconazole may cause effects to liver.

**CARCINOGENICITY/CHRONIC EFFECTS:** Propiconazole has been shown to cause an increased incidence of benign liver tumors in male mice at extremely high doses. No treatment-related tumors were seen in female mice in the same study or in a separate rat study.

**REPRODUCTIVE AND DEVELOPMENTAL TOXICITY:** Propiconazole did not demonstrate reproductive or developmental effects in animal studies.

**MUTAGENICITY (EFFECTS ON GENETIC MATERIAL):** Studies indicate that Propiconazole did not produce genetic damage in mammalian or bacterial cell cultures or in animal studies.

**TOXICITY OF OTHER INGREDIENTS:** is generally recognized to have low acute and chronic toxicity if ingested and/or breathed. Vapor concentrations above the exposure limit of 19 parts per million (ppm) in the air can cause eye and lung irritation and may cause headaches, dizziness, drowsiness or CNS depression. Prolonged or repeated skin contact in an occupational setting may result in irritation and in these situations, the use of chemical resistant gloves is recommended. This product is not regarded as a mutagen or carcinogen, and there is low concern reproductive or developmental effects.

Acute exposure to naphthalene by inhalation, ingestion, and dermal contact has been associated with hemolytic anemia, damage to the kidneys, cataracts, and in infants, brain damage. There is limited evidence of fetal and maternal toxicity from exposure to naphthalene.

Chronic (long-term) exposure of workers and rodents to naphthalene has been reported to cause cataracts and damage to the retina. Lesions in the kidneys and thymus, signs of anemia, and reduced spleen weights have been observed in rats and mice chronically exposed via gavage.

**CARCINOGENICITY ASSESSMENT:** Naphthalene (CAS No. 91-20-3)

ACGIH: NA  
NTP : R \*  
IARC : 2B\*\*  
OSHA : A4\*\*\*

\*NTP Reasonably anticipated to be a human carcinogen

\*\*IARC Group 2B: Possibly carcinogenic to humans.

\*\*\* OSHA A4: Not classifiable as a human carcinogen

Trimethyl benzene may affect the liver and may cause changes in the blood cells and affect the blood's clotting ability. Trimethyl benzene can irritate the lungs. Repeated exposures may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

**SPECIFIC TARGET ORGAN TOXICITY- REPEATED EXPOSURE (STOT):**

Propylene Glycol – In rare cases, repeated or prolong exposure may cause central nervous system effects.

## 12. INFORMATION

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and shrimp. 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 cleaning equipment or disposing of equipment washwater or rinsate.

**ECO-ACUTE TOXICITY:** (Propiconazole Technical)

*Rainbow Trout* LC<sub>50</sub> (96 h) – 5.2 mg/l

*Daphnia magna* LC<sub>50</sub> (48 h) – 3.2 mg/l

*Green Algae 5-Day* EC<sub>50</sub> – 1.6 ppm

*Bobwhite Quail* 8-day Dietary LC<sub>50</sub> – >5,620 ppm

*Mallard Duck* 8-day Dietary LC<sub>50</sub> – >5,620 ppm

**ECO-CHRONIC TOXICITY:**

Fish (Fathead minnow) Early Life State MATC - >0.43 and <0.97 mg/L

Invertebrate (*Daphnia Magna*) Life Cycle MATC - >0.31 and <0.69 mg/L

Mallard Reproduction NOBC - 300 ppm

Bobwhite Reproduction NOEC - 1,000 ppm

**ENVIRONMENTAL PERSISTANCE/MOBILITY:** (Propiconazole Technical)

Stable in sterile water, in the dark at pH 5, 7 and 9. Degradation in the light varies from slow in water (1/2=249) @ pH7) to variable in soil (1/2-53d to stable). Degradation in soil, in the dark is moderate under aerobic (1/2-43 to 70 d) and aquatic (1/2-15-113d) conditions. Stable under anaerobic aquatic conditions (1/2->1yr). Medium to low mobility in various soils (Koc 382 to 1134). Some bioaccumulation (BCF=203X, whole fish).

## 13. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Pesticide wastes are toxic. Improper disposal or excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. 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:**

**Non-bulk (< 253 gallons):** Not regulated

**Bulk (>= 253 gallons):** RQ, UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Naphthalene), 9, III

**INTERNATIONAL TRANSPORTATION:**

**IMO (vessel):** UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Naphthalene), 9, III, Marine Pollutant

**IATA (air):** Not regulated

## 15. INFORMATION

**FIFRA INFORMATION:**

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 for safety data sheet, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**WARNING** Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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**SARA TITLE III CLASSIFICATION:**

Section 302: Not applicable.  
Section 311/312: Acute health hazard (immediate)  
Delayed health hazard (chronic)  
Fire Hazard  
Section 313: Propiconazole CAS No. 60207-90-1 (41.8%); Naphthalene CAS# 91-20-3 (4 - 5%)

**CERCLA RQ:**

<u>Chemical Name</u>	<u>CAS NO.</u>	<u>RQ (Pound)</u>	<u>% in Product</u>
Naphthalene	91-20-3	100	4 - 5

**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:** All ingredients are listed on the TSCA inventory or are not required to be listed on the TSCA inventory.

**STATE RIGHT-TO-KNOW:**

Propylene Glycol (CAS No. 57-55-6): MA, PA

**CALIFORNIA PRO 65:** This product contains a chemical (Naphthalene) that is known to the State of California to cause cancer.

**16. OTHER INFORMATION**

<b>NFPA HAZARD RATINGS</b>	<b>NFPA</b>		
HEALTH:	2	0	MINIMAL
FLAMMABILITY:	2	1	SLIGHT
REACTIVITY:	0	2	MODERATE
		3	HIGH
		4	SEVERE

**SDS DATE:** 10-19-2016. Supersedes version dated 9-18-2015. Changes made to all sections.

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state, or provincial, and local laws.