

# PRO RICE

## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product Name:** Promax EC

**Recommended use of the chemical and restrictions on use:**

**Recommended use:** Herbicide.

**Uses advised against:** Activities contrary to label instructions.

**Details of the Supplier of the Safety Data Sheet**

PRORICE LLC.

5100 Poplar Ave, Suite 325

Memphis, TN 38138

**Telephone:** 870-995-6170

**Emergency Telephone Number: Chemtrec Customer # 998720**

**Chemtrec:** 1-800-424-9300 (in the US and Canada)

+1 703 741-5970 (outside the US and Canada)

**Date of Revision:** August 31, 2023

### 2. HAZARDS INFORMATION

**Classification of the Substance or Mixture**

**Physical:** Flammable Liquids Category 4

**Health:** Skin Irritation Category 2

Eye Irritation Category 2A

Specific Target Organ Toxicity (Single Exposure) Category 3

Carcinogen Category 2

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.

**Label Elements:**

**-Signal Word:** WARNING





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### **-Hazard Statements:**

H227 Combustible liquid  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.

### **-Precautionary Phrases:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from flames and hot surfaces. No smoking.  
P264 Wash thoroughly after handling.  
P280 Wear eye protection, protective gloves, and protective clothing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical attention.  
P308 + P313 IF exposed or concerned: Get medical attention.  
P370 + P378 In case of fire: Use alcohol foam, water spray to extinguish.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents and container in accordance with local and national regulations.

**Other Hazards:** None known.

### **3. COMPOSITION/INFOMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>Concentration (wt.)</b>
Propanil (3',4'-Dichloropropionanilide)	709-98-8	37%
Thiobencarb (S-[(4-chlorophenyl) methyl] diethylcarbamothioate)	28249-77-6	29%
Isophorone	78-59-1	10-15%
Isobutyl Alcohol	78-83-1	<3%

### **4. FIRST AID MEASURES**

#### **Description of first aid measures**

**If inhaled:** Move person to fresh air. Keep comfortable for breathing. Seek medical attention if irritation or symptoms persist.

**In case of skin contact:** Remove contaminated clothing and wash the affected areas with soap and water for several minutes. Seek medical attention if irritation or other symptoms develop or persist. Launder contaminated clothing before reuse.



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**In case of eye contact:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops or persists.

**If swallowed:** Rinse their mouth with water. Never give anything by mouth to a person who is unconscious or drowsy. Seek medical attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed:**

Causes eye irritation. May cause respiratory irritation. May be harmful if swallowed. May cause gastrointestinal upset if swallowed. Suspected of causing cancer.

**Indication of any immediate medical attention and special treatment needed:**

Immediate medical attention should not be required.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Special hazards arising from the substance or mixture:**

Combustible liquid. Burning may produce oxides of carbon and nitrogen, hydrogen chloride and chlorine gas.

**Advice for firefighters:**

Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing to avoid contact.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

Ventilate the area. Remove sources of ignition from spill area. No open flames. Avoid contact with skin, eyes, and clothing. Do not breathe vapor, spray, or mist. Keep unprotected and unnecessary personnel away from spill area. Stop leak if it is safe to do so. Do not attempt to take action without suitable protective equipment. See Section 8 for exposure controls and personal protection.

**Environmental Precautions:**

Avoid accidental releases to the environment. Report releases as required by local and national authorities.

**Methods and Material for Containment and Cleaning Up:**



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Dike spill using absorbent or impervious materials such as earth, sand, or clay. Collect spilled liquid with an inert absorbent and place into a suitable container for disposal. See Section 13 for Waste Disposal information.

### **7. HANDLING AND STORAGE**

#### **Precautions for Safe Handling:**

Use suitable protective equipment. Avoid breathing vapor, spray, or mist. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not smoke, eat, or drink while using this product. Keep away from open flames and other sources of ignition. Wash thoroughly with soap and water after handling. Read and follow use instructions on product label.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **Conditions for Safe Storage, Including any Incompatibilities:**

Read and follow storage instructions on product label.

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Do not store near heat or open flame. Containers should not be stacked more than 4 containers high. Reclose all partially used containers by thoroughly tightening bungs. Damaged or leaking containers which contain product that cannot be used immediately should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbent and dispose of as indicated under 'PESTICIDE DISPOSAL'.

Keep containers closed when not in use. For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification. Opened, partially used pesticides should be stored in original containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

### **8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

#### **Control Parameters:**



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### Occupational Exposure Limits:

Propanil (3',4'-Dichloropropionanilide)	None Established
Thiobencarb (S-[4-chlorophenyl) methyl] diethylcarbamothioate)	None Established
Isophorone	5ppm Ceiling ACGIH TLV 25ppm TWA OSHA PEL
Isobutyl Alcohol	50ppm TWA ACGIH TLV 100ppm TWA OSHA PEL

### Engineering controls:

Use with general or adequate local exhaust ventilation to minimize exposure levels. Follow good industry hygiene and safety practices to minimize exposure. See product label for specific requirements. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### Personal Protection:

**Respiratory Protection:** If exposure is excessive, an approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice. See product label for specific requirements.

**Skin Protection:** Impervious chemical resistant gloves. See product label for specific requirements.

**Eye Protection:** Use safety glasses or goggles.

**Other Protection:** Wear chemically protective clothing. See product label for specific requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties:

<b>Appearance:</b>	Brown, opaque liquid	<b>Explosive limits:</b>	<b>LEL:</b> Not determined. <b>UEL:</b> Not determined
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<b>Color:</b>	Brown	<b>Physical state:</b>	Liquid
<b>Odor:</b>	Strong rubber like.	<b>Vapor pressure (mmHg):</b>	Not determined
<b>Odor threshold:</b>	Not determined	<b>Vapor density:</b> (Air = 1)	Not determined
<b>pH:</b>	6.64	<b>Relative density:</b>	1.149
<b>Melting/freezing point:</b>	Not determined	<b>Solubility:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined	<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Flash point:</b>	69.3°C (165.74°F)	<b>Auto-ignition temperature:</b>	Not determined
<b>Evaporation rate:</b> (n-BuAc = 1)	Not determined	<b>Decomposition temperature:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable	<b>Kinematic Viscosity: (cSt)</b>	80.08 (20°C) 31.3 (40°C)
<b>Explosive Properties:</b>	Not explosive	<b>Oxidizing Properties:</b>	None

**Other Information:** None available

#### **10. STABILITY AND REACTIVITY**

**Reactivity:** Not Reactive.

**Chemical Stability:** Stable under normal conditions. Hazardous polymerization does not occur.

**Possibility of hazardous reactions:** Combustible liquid.

**Conditions to avoid:** Exposure to incompatible materials. Open flames and ignition sources.

**Incompatible materials:** Strong bases, Strong oxidizing agents, Strong acids.



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**Hazardous decomposition products:** Thermal decomposition can lead to the release of irritating gases and vapors, oxides of carbon and nitrogen, hydrogen chloride and chlorine gas.

### 11. POTENTIAL HEALTH EFFECTS

#### Toxicological Information

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed. May cause gastrointestinal upset.

**Skin:** May cause slight skin irritation.

**Eyes:** Causes serious eye irritation.

**Chronic Health Effects:** Suspected of causing cancer.

**Eye Irritation / Damage:** Causes serious eye irritation.

**Skin Irritation / Corrosivity:** May cause slight skin irritation.

**Sensitization:** Not classified as a sensitizer.

**Carcinogenicity:** Isophorone is listed as a Carcinogen Category 2B – Possibly Carcinogenic to Humans by IARC. None of the other components are listed as a carcinogen or suspected carcinogen by IARC, ACGIH, NTP or OSHA.

**Germ Cell Mutagenicity:** No specific data are available. No adverse effects are expected.

**Reproductive Toxicity:** No specific data is available. No adverse effects are expected.

**Specific Target Organ Toxicity Single Exposure (STOT-SE):** Not classified.

**Specific Target Organ Toxicity Repeated Exposure (STOT-RE):** Not classified.

**Aspiration Toxicity:** Product is not an aspiration hazard.

#### Numerical Measures of Toxicity:

Promax EC ATE: Oral LD50: 2475 mg/kg; Inhalation LC50: >5 mg/L.

Dermal LD50: >2000 mg/kg.



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Propanil: Oral ATE >2000 mg/kg; Inhalation LC50 (rat) >2.8 mg/L.

Dermal LD50 (rat) = 4830 mg/kg

Thiobencarb: Oral LD50 (rat) = 920 mg/kg; Inhalation LC50 (rat) >10.7 mg/L/ 4 hr.

Dermal LD50 (rat) = 2900 mg/kg

Isophorone: Oral LD50 (rat) 1500 mg/kg; Inhalation LC50 (rat) 7.0 mg/L/4 hr.

Dermal LD50 (rabbit) 1200 mg/kg

Isobutyl Alcohol: Oral LD50 (rat) >2850 mg/kg; Inhalation LC50 (rat) 24.6 mg/L/4 hr.

Dermal LD50 (rabbit) >2000 mg/kg

### **12. ECOLOGICAL INFORMATION**

#### **Toxicity – Very toxic to aquatic life with long lasting effects.**

Propanil - Active ingredient:

Bluegill sunfish 96 hr. LC50 = 5.4 mg/L

Rainbow trout 96 hr. LC50 = 2.3 mg/L

Daphnia magna 48 hr. EC50 = 0.14 mg/L

Estuarine and marine organism 48-96 hr. EC50 = 0.4 - 5.8 mg/L

Thiobencarb - Active ingredient:

Very toxic to aquatic life with long lasting effects.

Isophorone:

Pimephales promelas 96 hr. LC50 = 228 mg/L

Daphnia magna 48 hr. EC50 = 120 mg/L

Desmodemus subspicatus (green algae) 72 hr. EC50 = 475 mg/l

Isobutyl Alcohol:

Pimephales promelas 96 hr. LC50 = 1430 mg/L

Daphnia magna 48 hr. EC50 = 1100 mg/L

Raphidocelis subcapitata 72 hr. EC50 = 632 mg/l

**Persistence and Degradability:** No data available for product. Expected to be inherently biodegradable.

#### **Bio-accumulative Potential:**

Propanil: 3.07 Log Pow

Thiobencarb: Not determined.

Isophorone: 1.66 Log Pow

Isobutyl Alcohol: 1.0 Log Pow

**Mobility in Soil:** No data available





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**Other Adverse Effects:** None known.

### **13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Method:**

**Waste Disposal Method:**

Dispose of product in accordance with federal, state, and local regulations.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 of the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:**

**Non-refillable containers (5 gallons or less):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full of water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, 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.]

**[Non-refillable containers (greater than 5 gallons):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full of water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, 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.]

**[Returnable/Refillable Containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. When the container is empty, replace the cap and seal all openings that have been opened during use; and return the container to the point of purchase, or to a designated location (specified by ProRice LLC). Prior to refilling,



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inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads, and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking, or obsolete, contact ProRice LLC. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10% full of water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinse collection system. Repeat this rinsing procedure two more times.]

#### 14. TRANSPORTATION INFORMATION

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
<b>DOT</b>	NA1993	Combustible liquid, n.o.s. (Isophorone, Isobutyl alcohol)	3	III	Not applicable
<b>IMDG</b>	UN3082	Environmentally hazardous substances, liquid, n.o.s (Propanil, Thiobencarb)	9	III	Marine Pollutant
<b>IATA/ICAO</b>	UN3082	Environmentally hazardous substances, liquid, n.o.s (Propanil, Thiobencarb)	9	III	Marine Pollutant

Note: Combustible liquids are not regulated in non-bulk packages per 49 CFR 173.150(f)

**Special Precautions for User:** Not applicable.

**Transport in Bulk According to IMO Instruments:** Not applicable.

#### 15. REGULATORY INFORMATION

**This chemical is a pesticide product registered by the US 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. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.**



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### **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**EPA Pesticide registration number:** EPA Reg. 95172 - (Not yet assigned)

### **Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**

#### **U.S. Federal Regulations**

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for this product, based on the RQ for Isophorone (15% maximum) of 5,000 lbs., is 33,333 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

**Toxic Substances Control Act (TSCA):** This product is a pesticide and not subject to TSCA.

#### **Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:** See OSHA Hazard Classification in Section 2

### **This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

Propanil	CAS 709-98-8	at	37.0%
Thiobencarb	CAS 28249-77-6	at	29.0%

## **16. OTHER INFORMATION**

**Date of Revision:** August 31, 2023

**Revision Summary:** New SDS

**Supersedes:** N/A