

# SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



## 1. IDENTIFICATION

**PRODUCT NAME:** Timorex Act  
**DESCRIPTION:** Liquid fungicide  
**EPA Reg. No.:** 86182-3-88783

**COMPANY IDENTIFICATION:**  
**Summit Agro USA, LLC**  
240 Leigh Farm Road, Suite 415  
Durham, NC 27707

## 2. HAZARD IDENTIFICATION

### WARNING

Combustible liquid (H227)  
Causes skin irritation (H315)  
Causes serious eye irritation (H319)  
Toxic to aquatic life (H401)



### HAZARD CLASSIFICATION

<b>Health Hazards</b> Serious eye damage / eye irritation Skin corrosion / irritation	<b>Category</b> 2A 2	<b>Physical Hazards</b> Flammable liquids	<b>Category</b> 4
		<b>Environmental Hazards</b> Hazardous to the aquatic environment, short-term	<b>Category</b> 2

### HAZARDS NOT REQUIRING CLASSIFICATION

None.

### PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Wash hands and exposed skin thoroughly after handling. (P264)

Do not get in eyes, on skin, or on clothing. (P262)

Wear protective gloves, eye protection, and protective clothing. Refer to Section 8 for specific PPE requirements. (P280)

**IF ON SKIN:** Wash with plenty of water. Specific treatment (see Section 4 of this document). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. (P302+P352+P321+P332+P313+P362+P364)

**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/attention. (P305+P351+P338+P337+P313)

Avoid release to the environment not in accordance with the product label. (P273)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Tea Tree Oil		68647-73-4	11.8 – 12.7%

**NOTE:** Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

#### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of soap and 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.

**Note to physician:** No special antidote. Treat symptomatically and supportively.

#### 5. FIREFIGHTING MEASURES

**Flash Point:** >62°C

**Fire and Explosion Hazards:** Combustible product. Flash back may occur a long vapor trail.

**Extinguishing Medium:** Foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

**Hazardous Combustion Products:** Normal combustion forms carbon dioxide, water vapor and may product oxides of nitrogen. Incomplete combustion can product carbon monoxide.

**NFPA Ratings:** N/A

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain or soil. Contain contaminated water. In case of leakage to water course inform the respective authorities.

**Spill Cleanup:** Clean up spill immediately. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) Dispose of waste as indicated in Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. Keep away from: Sparks, open flame and direct sunlight.

**Storage:** Store product in original container only. Keep in a cool, dry, well ventilated place away from direct sunlight. Keep container tightly sealed. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Ventilation is required.

**Protective Clothing:** Applicators and other handlers must wear suitable protective clothing including long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves.

**General:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product, do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. Wash clothing separately before re-use, use detergent and hot water. Keep and wash PPE separately from other laundry. When handling do not eat, drink or smoke. Wash hands thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid, yellow to brown	<b>pH:</b>	5-6
<b>Odor:</b>	Characteristic	<b>Kinematic viscosity:</b>	Not available
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Miscible
<b>Boiling point/Boiling range:</b>	Not available	<b>Partition coefficient:</b>	Not available
<b>Flammability:</b>	Combustible	<b>Vapor pressure:</b>	Not available
<b>Flammability limits (upper/lower):</b>	Not available	<b>Density:</b>	0.925 ± 0.025 g/mL @ 20°C
<b>Flash point:</b>	>62°C	<b>Relative vapor density:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available	<b>Particle characteristics:</b>	Not available
<b>Decomposition temperature:</b>	Not available		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heat, open flame and ignition sources.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents, reducing agents, acids and alkali.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

**ORAL TOXICITY (rat LD<sub>50</sub>):** >2,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 4,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 6.25 mg/L

**EYE IRRITATION:** Irritant (rabbit)

**SKIN IRRITATION:** Moderately irritating (rabbit)

**SKIN SENSITIZATION:** Guinea pig – Not sensitizer

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Not listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the active ingredients or other components.

**REPRODUCTIVE TOXICITY:** No evidence of fertility or reproductive effects for the active ingredient.

**TERATOGENICITY:** No evidence of teratogenic effects for the active ingredient.

**OTHER TOXICITY:** None known.

## 12. ECOLOGICAL INFORMATION

Tea tree oil is highly toxic to aquatic invertebrates and practically nontoxic to fish and insects. Tea tree oil is not phytotoxic.

**The following information is for the active ingredient, Tea Tree Oil:**

Fish: (LC<sub>50</sub>): >100 mg/L

Daphnia Magna: (48h EC<sub>50</sub>): 0.5-0.7 mg/L

**The following information is based on preparation constituents:**

Fish: (96h LC<sub>50</sub>): 5.67 mg/L

Daphnia Magna: (48h EC<sub>50</sub>): 1.45 mg/L

Green Algae (72h EC<sub>50</sub>): 7.21 mg/L

Japanese quail: (Oral LD<sub>50</sub>) > 2000 mg/kg

Bee Contact (48h LD<sub>50</sub>): 331 µg/bee; Oral (48h LD<sub>50</sub>): > 95.8 µg/bee

**Environmental fate:**

Due to its high volatility and ready biodegradability, Tea Tree Oil is not expected to be persistent, mobile or bioaccumulative in the environment.

### 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

### 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3082
<b>Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, N.O.S. (contains Tea Tree Oil)
<b>Transport Hazard Class:</b>	9
<b>Packing Group:</b>	III
<b>Hazard Zone:</b>	A
<b>Marine Pollutant:</b>	No
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Combustible Liquid <sup>1</sup> IMDG, IATA: Class 9 Environmentally Hazardous Substance <sup>2</sup>
<b>Emergency Guide:</b>	171 (NAERG – North American Emergency Response Guide)
<b><sup>1</sup> US-DOT Note:</b>	“Ground only” shipments: NA1993, Combustible liquid, N.O.S. Not regulated when shipped in single or inner packaging ≤ 1.3 gal (5 L).
<b><sup>2</sup> IMDG / IATA Note:</b>	Not regulated when shipped in single or inner packaging ≤ 1.3 gal (5 L).

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### 15. REGULATORY INFORMATION

#### FIFRA –

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. The following is the hazard information as required on the pesticide label:

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if inhaled. Avoid breathing (dust, vapor, or spray mist). Avoid contact with skin or clothing. Wear protective clothing and gloves.

See inside label booklet for additional precautionary statements.

##### ENVIRONMENTAL HAZARDS

This pesticide is harmful to aquatic invertebrates.

##### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

## 15. REGULATORY INFORMATION (CONT.)

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

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

Not listed

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

Not listed

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

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

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

None

### **CERCLA Reportable Quantity (RQ) –**

Not listed

### **CALIFORNIA PROP 65 STATUS –**

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

### **CANADA –**

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

## 16. OTHER INFORMATION

### **CONDITIONS OF SALE AND LIMITED WARRANTY**

The Directions for Use are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of

SUMMIT AGRO USA, LLC. or the SELLER. To the extent consistent with applicable law, all such risks shall be assumed by the buyer. Summit Agro USA, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. SUMMIT AGRO USA LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SUMMIT AGRO USA LLC AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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