

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Timorex Gold  
**DESCRIPTION:** Liquid fungicide  
**EPA Reg. No.:** 86182-1-88783

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

## 2. HAZARD IDENTIFICATION

### WARNING

Flammable liquid and vapour (H226)  
Causes skin irritation (H315)  
May cause an allergic skin reaction (H317)  
Causes serious eye irritation (H319)  
May be harmful if swallowed (H303)  
Toxic to aquatic life with long lasting effects (H411)



### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Skin sensitization	1, 1A, 1B	Flammable liquids	3
Serious eye damage / eye irritation	2A		
Skin corrosion / irritation	2	<b>Environmental Hazards</b>	<b>Category</b>
Acute toxicity, oral	5	Hazardous to the aquatic environment, long-term	2

### HAZARDS NOT REQUIRING CLASSIFICATION

None.

### PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources, No smoking. (P210)  
Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. (P233+P240+P241+P242+P243)  
Wash thoroughly after handling. Wear protective gloves / protective clothing. Refer to Section 8 for specific PPE requirements. (P264+P280)  
In case of fire: Use foam, dry chemical, or CO<sub>2</sub> to extinguish. (P370+P378)  
Take off contaminated clothing and wash it before reuse. (P362+P364)  
**If eye irritation persists/skin irritation or rash occurs:** Get medical advice/attention. (P337+P333+P313)  
**IF ON SKIN (or hair):** Wash with plenty of water. Take off immediately all contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. (P303+P321+P361+P353)  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
**IF SWALLOWED:** Call a POISON CENTER/doctor if you feel unwell. (P301+P312)  
Avoid breathing mist/spray. Contaminated work clothing should not be allowed out of the workplace. (P261+P272)  
Avoid release to the environment not in accordance with the product label. Collect spillage. (P391+P273)  
Store in a well-ventilated place. Keep cool. Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P403+P235+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	23.8%
Ethanol		64-17-5	4.0%

**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: **1-800-424-9300**.

**IF ON SKIN OR CLOTHING:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Wash out with water with the eyelid held wide open for at least 15 minutes. Get medical attention.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

### 5. FIREFIGHTING MEASURES

**Flash Point:** 39°C

**Fire and Explosion Hazards:** Flash back may occur a long vapour trail. Vapours may form explosive mixture with air.

**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 produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

**NFPA Ratings:** Health – 0 / Flammability – 2 / Reactivity - 0

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear suitable protective clothing, protective glove and tightly sealed goggles.

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

**Spill Cleanup:** Clean up spill immediately. Absorb with sand, diatomite, acid binders, universal binders, sawdust and transfer to containers for later disposal. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. 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. Ventilation required. When handling, wear suitable protective clothing. Keep away from ignition sources – Do not smoke. Protect against electrostatic charges.

**Storage:** Keep only in the original container. Keep container tightly closed in a cool, dry, well ventilated place away from direct sunlight and ignition/heat sources.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Ventilation required. When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use. Contaminated work clothing should not be allowed out of the workplace.

**Protective Clothing:** Respiratory protection is not required if good ventilation is maintained. Wear suitable protective clothing including long-sleeved shirt and pants, socks, shoes, chemical resistant gloves and protective eyewear. Chemical resistant boots. Protective gloves. The glove material has to be impermeable and resistant to the product.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid, yellow-light brown	<b>pH:</b>	8.9 – 9.6
<b>Odor:</b>	Characteristic odor	<b>Viscosity:</b>	57.2 mPa. Sec at 20°C 26.3 mPa. Sec at 40°C
<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>	Flammable	<b>Vapor pressure:</b>	contains volatile components
<b>Flammability limits (upper/lower):</b>	Not available	<b>Density:</b>	0.935 ± 0.02 g/ml (20°C)
<b>Flash point:</b>	39°C	<b>Relative vapor density:</b>	Not available
<b>Auto-ignition temperature:</b>	~250°C (tea tree oil)	<b>Particle characteristics:</b>	Not available
<b>Decomposition temperature:</b>	Not available		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heat, open flames, ignition sources and vapour build up.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents.

**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>):** >2000 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** 5.4 mg/L (4-hour)

**EYE IRRITATION:** Irritant

**SKIN IRRITATION:** Irritant

**SKIN SENSITIZATION:** 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.

## 11. TOXICOLOGICAL INFORMATION (CONT.)

**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 product mixture:**

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

Daphnia Magna: (48h LC<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 bio accumulative 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.

**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>	UN1993
<b>Proper Shipping Name:</b>	Flammable liquid, N.O.S. (contains Tea Tree Oil, Ethanol)
<b>Transport Hazard Class:</b>	3
<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: Class 3 Flammable Liquid IMDG, IATA: Class 3 Flammable Liquid
<b>Emergency Guide:</b>	171 (NAERG – North American Emergency Response Guide)
<sup>2</sup> <b>US-DOT Note:</b>	Not regulated when shipped in single or inner packaging ≤ 1.3 gal (5 L).
<sup>3</sup> <b>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.** Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Do not get on skin, in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

See inside label booklet for additional precautionary statements.

##### ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

##### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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

## **16. OTHER INFORMATION (CONT.)**

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.

SUMMIT AGRO USA LLC and the SELLER offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of SUMMIT AGRO USA LLC.

SDS Version: 1.0

Effective Date: 7/11/2019

## **Timorex Gold**

**v1.0 7/11/2019**

- Source SDS based on MSDS from STK Stockton Group Timorex Gold
- Source Product is 86182-1