

## MATERIAL SAFETY DATA SHEET

### TIMOREX GOLD

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION	TIMOREX GOLD
	CHEMICAL NAME	Tea Tree Oil ( <i>Melaleuca alternifolia</i> )
1.2	USE OF PREPARATION	Fungicide
1.3	COMPANY/UNDERTAKING IDENTIFICATION	Stockton (Israel) Ltd. 17 Ha'Mefalsim St., Petach Tikva 49134 Israel
1.4	EMERGENCY TELEPHONE NUMBER	1-800-535-5053 (USA & CANADA)
		1-352-323-3500 (International)

#### 2. HAZARDOUS IDENTIFICATION

Flammable. Irritating to eyes and skin. May cause sensitization by skin contact.  
Toxic to aquatic organisms

##### Information concerning particular hazards for human and environment:

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### Information on hazardous ingredients \*

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Tea Tree Oil	68647-73-4	23.8	285-377-1	Xn, N	R10-22-36/38-50
Ethanol	64-17-5	4.0	200-578-6	F	R11

\* For occupational exposure limits, see section 8.

#### 4. FIRST AID MEASURES

Remove victim from area of exposure. Wash off remaining material with plenty of water.

<b>EYE CONTACT</b>	Wash out with water with the eyelid held wide open for at least 15 minutes. Get medical attention.
<b>SKIN CONTACT</b>	Remove contaminated clothing. Wash away remainder with water and soap
<b>INHALATION</b>	Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.
<b>INGESTION</b>	Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

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

#### 5. FIRE-FIGHTING MEASURES

**Fire fighting media:** Foam, carbon dioxide (CO<sub>2</sub>), dry chemical.

**Fire & explosive hazards:** Flash point: 39 °C; Flash back may occur a long vapour trail.

**Hazardous thermal (de)composition products:** carbon oxides.

**Extinguishing media that must not be used for safety reasons:**

Full water jet.

**Protection of fire-fighters:** Use breathing apparatus with independent air supply.

**Additional information:**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear suitable protective clothing, protective gloves and tightly sealed goggles.

**Environmental precautions:** Prevent spills to reach any water course, surface and ground water. In case of leakage to water course inform the respective authorities.

**Methods for cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. 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.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering measures:** Ventilation required.

**Hygiene measures:** When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.

### Occupational Exposure Limits

**Common name :** Tea Tree Oil : Not established

Ethanol: 1000 ppm TWA (ACGIH)

### Personal protective equipment

**Respiratory system:** Respiratory protection is not required if good ventilation is maintained.

**Skin and body:** Wear suitable protective clothing. Chemical resistant boots.

**Hands:** Protective gloves.

The glove material has to be impermeable and resistant to the product.

**Eyes:** Safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid
<b>COLOUR</b>	Yellow-light brown
<b>ODOUR</b>	Characteristic odour
<b>FLASH POINT</b>	39 °C
<b>PH</b>	8.9-9.6
<b>EXPLOSIVE PROPERTIES</b>	Not explosive
<b>OXIDIZING PROPERTIES</b>	Not oxidizing
<b>VISCOSITY</b>	57.2 mPa. Sec at 20 °C 26.3 mPa.sec at 40 °C
<b>DENSITY</b>	0.935 ± 0.02 g/ml (20°C)
<b>WATER SOLUBILITY</b>	Miscible

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## 10. STABILITY AND REACTIVITY

### Stability

Not subject to polymerization, stable under normal storage conditions.

### Materials to avoid

Oxidizing agents

**Hazardous reactions :** None

### Hazardous decomposition products

carbon oxides

## 11. TOXICOLOGICAL INFORMATION

11.1	Acute oral toxicity	LD <sub>50</sub> , rats > 2000 mg/kg
11.2	Acute dermal toxicity	LD <sub>50</sub> , rats > 2000 mg/kg
11.3	Acute inhalation toxicity	5.4 mg/l (4-h exposure)
11.4	Skin irritation	irritant (rabbits)
11.5	Eye irritation	irritant (rabbits)
11.6	Sensitization	Sensitizer

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity – Preparation

#### Fish

LC<sub>50</sub> (96 hours) rainbow trout : 5.67 mg/L

#### Daphnia magna

LC<sub>50</sub> (48 hours) : 1.45 mg/L

#### Algae (*Desmodesmus subspicatus*)

EC<sub>50</sub> (72 hours) : 7.21 mg/lL

#### Birds

Acute oral LD<sub>50</sub> Japanese quail : > 2000 mg/kg b.w

#### Bees

Oral LD<sub>50</sub> (48 hours) : > 95.8 µg/bee

Contact LD<sub>50</sub> (48 hours) : 331 µg/bee

Toxic to aquatic organisms. Not toxic to bees and birds.

#### Environmental fate - Tea Tree Oil

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 CONSIDERATION**

Product would be treated, stored, transported, and disposed of according to the local waste regulation authority. Do not flush to surface water or sanitary sewer system.

**14. TRANSPORT INFORMATION**

**International transport regulations**

UN 1993, Flammable Liquid. N.O.S , (Tea Tree Oil, Ethanol)  
Class 3, PG III

**National transport regulations**

UN 1993, Flammable Liquid. N.O.S , (Tea Tree Oil, Ethanol)  
Class 3, PG III

**15. REGULATORY INFORMATION**

**EU Classification:** In accordance with the EU regulations (Directives 67/548/EEC and its amendments).

**Hazard Symbol(s):**

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IRRITANT

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DANGEROUS FOR THE ENVIRONMENT

**R phrases**

R10: Flammable  
R36/38: Irritating to eyes and skin.  
R43: May cause sensitization by skin contact.  
R51: Toxic to aquatic organisms

**S phrases**

S2: Keep out of the reach of children.  
S13: Keep away from food, drink and animal feedingstuffs.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S29: Do not empty into drains.  
S35: This material and its container must be disposed of in safe way.  
S36/37: Wear suitable protective clothing, gloves.  
S57: Use appropriate containment to avoid environmental contamination.  
S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

**WHO Classification :**

Class III : Slightly hazardous

**16. OTHER INFORMATION:**

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

**Prepared by:** Registration Dept.

**Updated on:** April 2011