

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	Manufacturer	Stockton (Israel) Ltd. 17 Ha'Mefalsim St., Petach Tikva, P.O.B 3517, 4951447, Israel.
1.4	EMERGENCY TELEPHONE NUMBER	+972-72-2570000 (office hours)

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.

Timorex Gold

CONFORMS TO 1907/2006/EC (ARTICLE 31)

EYE CONTACT	Wash out with water with the eyelid held wide open for at least 15 minutes. Get medical attention.
SKIN CONTACT	Remove contaminated clothing. Wash away remainder with water and soap
INHALATION	Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.
INGESTION	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	
<p>Fire fighting media: Foam, carbon dioxide (CO₂), dry chemical.</p> <p>Fire & explosive hazards: Flash point: 39 °C; Flash back may occur a long vapour trail.</p> <p>Hazardous thermal (de)composition products: carbon oxides.</p> <p>Extinguishing media that must not be used for safety reasons: Full water jet.</p> <p>Protection of fire-fighters: Use breathing apparatus with independent air supply.</p> <p>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.</p>	
6. ACCIDENTAL RELEASE MEASURES	
<p>Personal precautions: Wear suitable protective clothing, protective gloves and tightly sealed goggles.</p> <p>Environmental precautions: Prevent spills to reach any water course, surface and ground water. In case of leakage to water course inform the respective authorities.</p> <p>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.</p>	

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

APPEARANCE	Liquid
COLOUR	Yellow-light brown
ODOUR	Characteristic odour
FLASH POINT	39 °C
PH	8.9-9.6
EXPLOSIVE PROPERTIES	Not explosive
OXIDIZING PROPERTIES	Not oxidizing
VISCOSITY	57.2 mPa. Sec at 20 °C 26.3 mPa.sec at 40 °C
DENSITY	0.925 ± 0.015 g/ml (20°C)
WATER SOLUBILIT	Miscible

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 ₅₀ , rats > 2000 mg/kg
11.2	Acute dermal toxicity	LD ₅₀ , 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

LC₅₀ (96 hours) rainbow trout : 5.67 mg/L

Daphnia magna

LC₅₀ (48 hours) : 1.45 mg/L

Algae (*Desmodesmus subspicatus*)

EC₅₀ (72 hours) : 7.21 mg/IL

Birds

Acute oral LD₅₀ Japanese quail : > 2000 mg/kg b.w

Bees

Oral LD₅₀ (48 hours) : > 95.8 µg/bee

Contact LD₅₀ (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: November 2017