



MATERIAL SAFETY DATA SHEET E.G.O. PHEROLURE®

SECTION 1. PRODUCT IDENTIFICATION

Product Code:	PEGO
Product Name:	E.G.O. PheroLure®
Chemical contents:	Enriched Ginger oil as active ingredient in a polyethylene plastic tube.
Product description:	This product consists of liquid enriched ginger oil enclosed in a polyethylene plastic tube. The devices are sealed in separate impermeable pouches for shipping and storage. This product is intended for the monitoring of fruit flies in combination with the Insect Science (Pty) Ltd McPhail Trap in mangoes and citrus.
Chemical family:	Fruit Fly Attractant.
Chemical Formula:	C ₁₃ H ₁₃ O ₄ S ₂ H ₂ O
24 Hr Emergency Number:	087 754 9785 (Insects Science)
In case of Poisoning:	Poison Information Centre 082 446 8946 Tygerberg Hospital: 021 931 6129 Poison Emergency Enquiries 021 689 5227

SECTION 2. COMPOSITION/INFORMATION ON ACTIVE INGREDIENT

Substance Name:	Enriched Ginger oil
CAS Registry Number:	8007-08-7
Formula:	C ₁₃ H ₁₃ O ₄ S ₂ H ₂ O
Synonyms:	Zingiber officinale oil

SECTION 3. HAZARDS IDENTIFICATION

When in the polyethylene plastic tube formulation, the impregnated active ingredient represents less of a hazard than the neat active ingredient.

Health Hazards:	Slight
Signal word:	Caution
Skin and eyes:	May cause skin and eye irritation.
Risk Phrases:	R36/38

For additional information on toxicity, please refer to Section 11.

Director: P.J.G Booyesen



SECTION 4. FIRST AID MEASURES

When in the polyethylene plastic tube formulation, the impregnated active ingredient represents less of a hazard than the neat active ingredient.

Oral exposure:	If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.
Inhalation exposure:	If inhaled, remove to fresh air. If breathing becomes difficult give oxygen and call a physician.
Dermal exposure:	Wash area well with soap and water. Call a physician necessary.
Eye exposure:	Flush with water for several minutes. Call a physician necessary.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Protective equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific hazard(s):	Combustion products are toxic and / or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Avoid contamination of the environment. Do not discharge into sewers, ground or surface water. Cover up product with absorptive material such as sand, dry lime or soda ash and dispose of in an incinerator approved for chemicals.

Contain the substance with spill kit and collect in a specially marked, tightly closing container. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact manufacturer, the dealer or the local representative.

INSECT SCIENCE (Pty) Ltd



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Avoid open flames or sources of ignition. Ventilated area and wash spill site after material is picked up. Dispose of in accordance with current laws and regulations.

SECTION 7. HANDLING AND STORAGE

Handling:	Do not open packaging until time of use. Do not eat, drink or smoke when handling the product. Wash hands thoroughly after handling. Wear suitable protective gloves.
Storage:	Suitable: Keep tightly closed only in the original packaging in a cool, well ventilated place. Container: DO NOT USE ALUMINUM Fire protection: Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.
User Exposure:	Do not breathe vapour. Avoid contact with eyes, skin, and clothing.

SECTION 8. EXPOSURE CONTROLS / PPE

Engineering controls:	Safety shower and eye bath. Mechanical exhaust required.
Personal protective equipment:	If handling bulk quantities use only in well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable protective clothing and gloves. Splash-proof safety glasses
General hygiene measures:	Wash thoroughly after handling.

SECTION 9. PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Yellow clear liquid, active ingredient enclosed within a polyethylene bulb.
Colour:	Colourless to light yellow.
Odour:	Mild
Solubility:	Insoluble
Flash point:	40 °C
Density:	0.92±0.01
Boiling point:	120 °C

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SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable at normal pressure and temperature.
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide.
Hazardous polymerization:	Not expected to occur.

SECTION 11. TOXICOLOGICAL INFORMATION

When in the polyethylene plastic tube formulation, the impregnated active ingredient represents less of a hazard than the neat active ingredient.

Acute toxicity:	(for neat active ingredient) oral LD ₅₀ rat > 5000 mg/kg, mouse > 3 450 mg/kg. Dermal LD ₅₀ rabbit > 5 000 mg/kg
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SECTION 12. ECOLOGICAL INFORMATION

The product is not classified as environmentally hazardous: Application through a dispenser is considered not to have an ecological impact. Neat active ingredient is toxic to aquatic life with long lasting effects.

Avoid contamination of soil, ground and surface water.

SECTION 13. DISPOSAL CONSIDERATIONS

Appropriate method of disposal of substance or preparation.

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

ROAD:	Not Regulated
SEA:	Not Regulated
AIR:	Not Regulated

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SECTION 15. REGULATORY INFORMATION

This product does not itself kill insects, but may fall within the scope of pesticide regulations when used to mitigate pest populations. When in the dispenser formulation, the impregnated active ingredient represents less of a hazard than the neat active ingredient material.

EU additional classification

Symbol of danger:

Xi



Labelling Requirement:

Blue

WHO Toxicity Classification:

III: Product unlikely to present acute hazard in normal use.

Indication of danger:

Irritant

Risk statements:

R36/38

Irritating to eyes and skin.

Safety statements:

S: 24/25 36/37/39

Avoid contact with skin and eyes

Wear suitable protective clothing, gloves, and eye/face protection.

US classification:

21 CFR 182.20: Substances generally regarded as safe.

US EPA has sufficient information to reasonably conclude that the current use pattern in pesticide products will not adversely affect public health or the environment.

United states regulatory information

TSCA inventory item:

Yes

**WHMIS classification /
GHS classification:**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the MSDS contains all the information required by the HPR.



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Signal Word: Warning

Hazard Statements: H316 (Category 3) Causes mild skin irritation.
H320 (Category 2B) Causes eye irritation.

Precautionary Statements: P280 Wear protective gloves/protective clothing/eye protection/face protection.

Canada regulatory information:

DSL: Yes
NDSL: No

SECTION 16. OTHER INFORMATION

It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise material safety data sheets periodically as new information becomes available. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. Insect Science (Pty) Ltd assumes no responsibility for any damages, losses, injuries or consequential damages which may result from the use or misuse of this product and the recipient assumes all such risks.

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