



# GREENTRADING

## SECTION 1. Chemical product and company identification

### Product identifier:

Identification as on the label/Trade name: **Capilure Liquid Male fruit fly attractant**

### Additional information:

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** A ready to use Fruit fly Bait station for the reduction of fruit fly populations in fruit orchards as is indicated on the label.

**Uses advised against:** Use only as directed.

### Details of the supplier of the Safety Data Sheet:

Company name: **GREENTRADING CC/BK**

Address: PO BOX 2649 BRITS,0250

Phone number: (+27) 012 258 0122

## SECTION 2. HAZARD IDENTIFICATION

### Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Skin irritation	H315 Causes skin irritation
Eye irritation	H319 Causes eye irritation
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

For full text of H statements see section 16

### The most important adverse effects

**The most important adverse physiochemical effects:** None.

**The most important adverse human health effects:** Causes skin irritation, causes eye irritation

### Label elements



### Hazard pictograms:

**Signal Word:** Warning

**Hazard Statements:** H315 Causes skin irritation. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements:** P101 If medical advice is needed, have product container or label at hand. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+35



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1 +338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with local regulations P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P302+352 IF ON SKIN: Wash with plenty of soap and water. P332+313 if skin irritation occurs: Get medical advice/attention

**Special labelling of certain mixtures:** None

**Other hazards:** None

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Ingredients:**

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
-Dimethylethyl-4 (or 5)-chloromethylcyclohexanecarboxylate	12002-53	60-65	Sin irrit 2 H315 Eye irritant 2 H 319
Modified rosin esters	232-476-2	20-30	Aquatic chronic 3 H412
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	214-946-9	1-10	Aquatic acute 1 H400 Aquatic chronic 1 H410

*For full text of H statements see section 16*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST AID MEASURES

**Description of first aid measures:**

**In case of inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial breathing. If breathing is difficult, give oxygen. Get medical attention immediately

**In case of skin contact:**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

**In case of eye contact:**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

**In case of ingestion:**

Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Never give liquid to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

**Most important symptoms and effects, both acute and delayed**

**General information:** The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**Inhalation:** Unlikely to cause Irritation of nose, throat and airway.



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**Ingestion:** May cause discomfort if swallowed. Nausea, vomiting.

**Skin contact:** May cause skin irritation.

**Eye contact:** May be Irritating and may cause redness and pain.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically

## SECTION 5. FIRE -FIGHTING MEASURE

### Extinguisher media:

**Suitable extinguisher media:** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media appropriate for surrounding materials.

**SMALL FIRE:** See above.

**LARGE FIRE:** See above.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the mixture:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

**Unusual Fire & Explosion Hazards:** No unusual fire or explosion hazards noted.

### Specific extinguishing methods:

Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site

### Advice for fire-fighters:

Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6. ACCIDENTAL RELEASE

### Personal precautions, protective equipment and emergency procedures:

**For non-emergency personnel:** Keep all personal and avoid contact

**For emergency responders:** Wear appropriate personal protective equipment. Avoid contact and ventilate area of the spill or leakage.

### Protective equipment:

Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill.

### Emergency procedures:

Alert fire-fighting personnel, evacuate unprotected personal and animals

### Environmental precautions:

Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be harmful to aquatic organisms with long lasting effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.



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## Methods and materials for containment and cleaning up:

### Material for containment and cleaning up:

Stop leak, if possible, without risk. Small Spillages: Absorb with inert, damp, non-combustible material, then flush area with water. Large Spillages: Recover the product and place in a suitable container for reuse.

Label the containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

**For small spills** Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.

**For large spills** Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.

## Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

**Additional information:** None.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Read and follow manufacturer's recommendations. Provide good ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

**Protective measures:** Observe directions on label and instructions for use.

Advice on general occupational hygiene: practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet, or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used. Do not eat, drink or smoke when handling this product.

### Conditions for safe storage, including incompatibilities:

Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in original container, labelled container, tightly closed, in an isolated, dry cool and well-ventilated area.

Store product in a segregated and approved area.

### Incompatible substances:

Store away from incompatible materials, heat, sun and source of ignition. Keep away from oxidizing agents and acids.

**Specific end uses:** Not applicable

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters:

**Exposure guidelines:** Alfa-cypermethrin



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## Exposure control:

**Appropriate engineering controls:** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

## Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Where there is possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use

## Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

## Hand protection:

It is a good industrial hygiene practice to prevent skin contact. Use rubber gloves.

## Eye/face protection:

Risk of contact: Wear approved safety goggles. Contact lenses is not protective eye devices.

## Skin and body protection:

Employee must wear appropriate proactive impervious clothing: rubber boots, hat and equipment to prevent repeated or prolonged skin contact when working with chemicals. Do not wear leather clothing. Apron and long sleeves are recommended.

**Environmental exposure controls:** Environmental manager must be informed of all major spillages.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance (form):</b>	Liquid
<b>Colour:</b>	Orange. Red
<b>Odour:</b>	Fruity
<b>pH:</b>	Not determined
<b>Melting point/range (°C):</b>	Not determined
<b>Boiling point/range (°C):</b>	104-134°C
<b>Flash point (°C):</b>	128-130 (Close cup)
<b>Evaporation rate</b>	Not determined
<b>Upper/lower flammability/explosive limits:</b>	Does not support combustion
<b>Vapour pressure (°C):</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Density/ relative density:</b>	1.025-1.035 @20 °C
<b>Solubility(ies):</b>	Immiscible wit water



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n-Octanol/Water partition coefficient	6.92-6.96
Viscosity	Not determined
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

#### Physical hazards:

**Explosive properties:** not applicable

**Oxidising properties:** Not applicable

#### Other information:

**Fat solubility (solvent-oil to be specified):** Not applicable

**Bulk density:** Not available

**Dissociation constant in water (p Ka):** Not available

**Oxidation-reduction potential:** Not available

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** The product is stable under normal warehouse conditions

**Chemical stability:** Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight. Stable under normal storage and handling conditions for 2 years.

**Possibility of hazardous reactions:** Will not polymerise

**Conditions to avoid:** Avoid exposing to heat

**Incompatible materials:** Avoid contact with strong oxidising substances

**Hazardous decomposition products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours

## SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects:

**Toxicological:** There is no test data available for this mixture. Any toxicological hazards have been determined by calculation from the ingredient.

## SECTION 12. ECOLOGICAL INFORMATION

#### Anticipated behaviour of the chemical product in the environment /possible environmental impact/ecotoxicity:

**Toxicity:** There is no test data available for hi mixture. The toxicological hazards have been determined by calculation from the ingredients

**Persistence and degradability:** There are no test data available for this mixture. The material is expected to be rapidly degradable.

**Bioaccumulative potential:** The components of this mixture are not bioaccumulative.

**Mobility in soil:** There is no information specific to this mixture. The components are expected to move through the soil

**Results of PBT and vPvB assessment** There is no chemical safety report upon which to base a PBT/vPvB assessment

**Other adverse effects** No information is available

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods:

**General Information:** Do not discharge into drains, water courses or onto the ground. Discharge, treatment or disposal may be subject to national, state, or local laws. Empty containers may contain product residues. Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re-processed.



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Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

**Disposal Methods:** Destroy the container by perforating and flattening and dispose of through an approved waste dump site, incineration plant or recycling company.

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Product/ packaging disposal:**

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

## SECTION 14. TRANSPORT INFORMATION

UN Number:	3082
Un proper shipping name	Environmentally hazardous substance, liquid No.5. (8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
UN Classification [ transport hazard class(es):	9
Packing group (if applicable)	III
Marine pollutant (Y/N)	YES
Transport in bulk according to MARPOL 73/78, Annex II and the IBC Code:	

## SECTION 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation for the mixture:**

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

**Relevant information regarding restrictions:**

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

**Other National regulations:** National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 11014:2010 – Safety data sheet for chemical products, Content and order section

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

**Chemical Safety Assessment carried out?** No

## SECTION 16. OTHER INFORMATION

**Indication of changes:**

GHS aligned

**Hazard Statements:** H315 Causes skin irritation. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements:** P101 If medical advice is needed, have product container or label at hand. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+351 +338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with local regulations P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P302+352 IF ON SKIN: Wash with plenty of soap and water. P332+313 if skin irritation occurs: Get medical advice/attention

**Training instructions:**

Use as indicated on the label, special training may be required for application.



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**Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Notice to readers:**

To the best of our knowledge, the information contained herein is accurate and is based on the present state of our knowledge and does not therefore guarantee specific properties. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for any accuracy or completeness of the information contained herein. Final determinations of suitability of any material are sole responsibility of the users, who must take responsibility for observing existing laws and regulations. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.