



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 January 2008

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **CAMPBELL DISRUPT-OFM MATING DISRUPTION AGENT**

Other Names: (Z)-8-dodecen-1-yl acetate, (E)-8-dodecen-1-yl acetate, (Z)-8-dodecen-1-ol

Chemical Group: Pheromones

Recommended Use: Control of Oriental Fruit Moth by mating disruption.

Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
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Contact: Product Development Manager – (02) 9725 2544

Emergency Telephone Number: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

NON HAZARDOUS SUBSTANCE - NON DANGEROUS GOOD

Hazardous classification: Not hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)

Risk phrases: No R-phrases.

Safety phrases: See sections 4,5,6,7,8,10,12,13

ADG Classification: Not a Dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SUSDP classification: Not scheduled (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
(Z)-8-dodecen-1-yl acetate	28079-04-1	232.5 mg/dispenser
(E)-8-dodecen-1-yl acetate	38363-29-0	15 mg/dispenser
(Z)-8-dodecen-1-ol	40642-40-8	2.5 mg/dispenser

4) FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given. Show this Material Safety Data Sheet to the doctor.

Inhalation: If inhaled remove to fresh air and keep at rest.

Skin Contact: A small amount of skin contact is not normally harmful. Remove contaminated clothing and wash affected areas with soap and water.



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4) FIRST AID MEASURES continued

Eye contact:	Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid.
Ingestion:	If swallowed, do NOT induce vomiting. If victim is fully conscious, immediately give large quantities of water to drink and get medical help. Never give anything by mouth to an unconscious person.
First Aid facilities	Ensure eye wash is available.
Medical Attention:	Treat symptomatically.

5) FIRE FIGHTING MEASURES

Extinguishing media	Water spray, foam, dry chemical, carbon dioxide (CO ₂).
Hazard from combustion products	Burning may release nitrogen oxides.
Precautions for fighting fires	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later.
Hazchem Code	Not applicable.

6) ACCIDENTAL RELEASE MEASURES

No specific requirements. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.

7) HANDLING AND STORAGE

Handling	Keep out of reach of children. Will irritate eyes and skin. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
Storage	Store in unopened original foil envelopes. Store in a cool area away from direct sunlight. If Disrupt is to be stored for longer than 3 months, product under refrigeration at or below 5°C. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and pesticides.
Flammability	Not flammable.



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure standards have been assigned to the product. Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week	
Biological Limit Values	None allocated	
Engineering Controls	Use in a well ventilated area only.	
Personal Protective Equipment	Eyes:	None necessary
	Clothing:	None necessary
	Gloves:	Gloves
	Respiratory:	None necessary

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	White plastic sheet (dimensions 75mm x 50mm), attached to coloured plastic clip
Odour:	Waxy or fatty.
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Melting point:	Not applicable
Freezing/Melting point:	Not applicable
pH:	Not applicable
Solubility:	Not applicable
Specific gravity:	Not applicable
Flash point:	Not applicable
Flammability (explosive) limit:	Not applicable
Auto ignition temperature:	Not applicable
Partition coefficient (octanol/water):	Not applicable

10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat will advance release of pheromone
Incompatible materials :	None.
Hazardous decomposition products:	None
Hazardous reactions:	None. Hazardous polymerisation is not possible.



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11) TOXICOLOGICAL INFORMATION

Inhalation:	No effects should be noticed under normal conditions.
Skin contact:	Concentrated active constituent may cause irritation and/or redness with prolonged exposure. Generally no effects with product as supplied.
Eye contact:	Concentrated active constituent may cause irritation. Generally no effects with product as supplied.
Ingestion:	Generally no effects with product as supplied.

ANIMAL TOXICITY DATA – PRODUCT

Acute:	
Oral toxicity	LD-50(rat) of active constituent 5050mg/kg
Dermal toxicity:	LD-50(rabbit) of active constituent >2020mg/kg.
Inhalation toxicity:	No data.
Skin irritation:	Slightly irritating.
Irritation of mucous membranes:	May cause irritation
Sensitisation:	No data
Chronic:	No information available.

12) ECOLOGICAL INFORMATION

Ecotoxicity:	No data
Environmental fate, persistence and degradability, mobility	Not available.

13) DISPOSAL CONSIDERATIONS

Dispose of containers using the normal waste method. Empty containers and product should not be burnt.

14) TRANSPORT INFORMATION

UN Number:	Not applicable
Proper Shipping name:	Not applicable
Class and subsidiary risk:	Not applicable
Packing Group:	Not applicable
EPG:	Not applicable
Hazchem code:	Not applicable



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15) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 55034

16) OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

END OF MSDS