

Material Safety Data Sheet



Version No	Date	Reason for Revision
3	19/12/07	Review / update to 1907/2006 standard

1.1 PRODUCT IDENTIFICATION: MAGNET[®] OLI Olive Fly Target Device (BC2241A/B/C/D)

1.2 PRODUCT USE: Insect Trap

1.3 COMPANY: AgriSense BCS Ltd, Treforest Industrial Estate, Pontypridd, CF37 5SU, UK
Prepared by: Mr A Taylor (adrian.taylor@agrisense.co.uk)

1.4 EMERGENCY TELEPHONE: (0044) 1443 841155 (Only manned during UK office hours)

2.0 HAZARD IDENTIFICATION: **RISK PHRASES (R)** R38 – Irritating to skin **Xi**

CONTACT WITH SKIN

Spiroketal has been identified as a possible skin irritant. The insecticide has been classified as a mild skin sensitiser. There is no evidence of any long term or cumulative effects on the skin. Avoid skin contact wherever possible.

CONTACT WITH EYES

The insecticide formulation is mildly irritating to eyes.

INGESTION

The insecticide formulation has been classified as low toxicity by ingestion.

INHALATION

Ammonia can cause irritation to the upper respiratory tract and mucous membranes.

3.0 COMPOSITION:

CHEMICAL NAME	OTHER NAMES	Approx w/w %	Hazard	CAS	EC / EINECS
Attractant and Pheromone Lure Device – 1 card in 3					
Lambda cyhalothrin		0.056 (15mg)	T+; N: R21-25-26-50/53	91465-08-6	415-130-7
1,7-dioxaspiro (5,5) undecane	Spiroketal	0.2	R 38	180-84-7	
Ammonium hydrogen carbonate	Ammonium bicarbonate	15	R22	1066-33-7	213-911-5
Attractant Only Device – 2 cards in 3					
Lambda cyhalothrin		0.06 (15mg)	T+; N: R21-25-26-50/53	91465-08-6	415-130-7
Ammonium hydrogen carbonate	Ammonium bicarbonate	16	R22	1066-33-7	213-911-5

4.0 FIRST AID MEASURES

CONTACT WITH SKIN

Wash hands thoroughly after handling traps. If irritation lasts longer than 24-48hrs seek medical advice (S28)

CONTACT WITH EYES

Rinse eyes with copious amounts of water for at least 15 minutes. If irritation occurs seek medical advice (S26)

INGESTION

Rinse out mouth with water. Do not induce vomiting. If feeling unwell after ingestion occurs seek medical advice (S64, S62)

INHALATION

If adverse effects are felt, remove patient to fresh air. If symptoms persist seek medical advice (S63)

OTHER INFORMATION

If further safety data information is required, please contact AgriSense BCS Ltd

5.0 FIRE FIGHTING MEASURES

In case of fire, use water, CO₂ or dry powder. Combustion products include carbon oxides, nitrogen oxides and ammonia. Wear self contained breathing apparatus and protective clothing.

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6.0 ACCIDENTAL RELEASE MEASURES

In case of spillage, collect traps, seal in a suitable container and remove for disposal. Traps should be collected and disposed of in accordance with local, state or national legislation. The use of gloves is recommended. Avoid contamination of soil, water sources and sewers.

7.1 HANDLING

Wear suitable gloves when handling the devices (S37). Do not open packaging until time of use. Do not eat, drink or smoke when handling the product (S20/21). Wash hands thoroughly after handling (S28). In case of insufficient ventilation, wear suitable respiratory equipment (S38).

7.2 STORAGE

Keep only in the original packaging in a cool, dry, well ventilated place (S3/9/49). Keep away from food, drink and animal feedstuffs (S13). Store away from heat and out of direct sunlight.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits

No data for spiroketal or ammonium hydrogen carbonate

Ammonia gas 25ppm (17mg m³) 8 hour TWA
 35ppm (24mg m³) 15 minutes

The manufacturer of the insecticide (Syngenta) operate their facility such that exposure to the lambda cyhalothrin is kept below 0.04mg / m³ as an 8 hour TWA.

8.2 Exposure Controls

8.2.1 Occupational Exposure Controls

Prevent skin contact. Gloves must be worn when handling the devices (S37) Wear appropriate protective clothing (S36). In case of insufficient ventilation, wear suitable respiratory equipment (S38).

8.2.2 Environmental Exposure Controls

Avoid contamination of soil, water sources and sewers.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

The trap substrate is paper based with no hazard related properties. All traps are coated with lambda cyhalothrin. All traps include the white ammonia dispenser, with 1 in 3 traps also including the purple spiroketal dispenser

Lambda cyhalothrin	Appearance	Opaque to colourless when applied
	Flash point	>100 °C
	Solubility	Readily dispersible in water
Ammonia dispenser	Appearance	Polymeric tablet
	Colour	White to off white
	Flash Point	> 62 °C
Spiroketal dispenser	Appearance	Extruded polymer
	Colour	Purple
	Flash Point	> 62 °C

10.0 STABILITY AND REACTIVITY

10.1 Conditions to Avoid

Stable under normal temperature and pressure conditions. Ammonia dispensers decompose slowly to ammonia, carbon dioxide and water vapour if not kept in closed packaging.

10.2 Materials to Avoid

Avoid contact with acids, alkalis and nitrites

10.3 Hazardous Decomposition Products

Carbon dioxide, ammonia

11.0 TOXICOLOGICAL INFORMATION

To the best of our knowledge, the toxicological properties of the material in this product have not been comprehensively investigated.

Ammonium hydrogen carbonate in free form	LD ₅₀ Oral (Rat)	1576 mg / kg
Lambda cyhalothrin	LD ₅₀ Oral (Rat)	56 (f) – 79 (m) mg / kg
	LD ₅₀ Dermal (Rat)	632 (m) – 696 (f) mg / kg
	LC ₅₀ Inhal (Rat)	2.97 mg / l air
Spiroketal	LD ₅₀ Oral (Rat)	500 - 5000 mg / kg
	LD ₅₀ Dermal (Rat)	>5000 mg / kg
	LC ₅₀ Inhal (Rat)	>2.97 mg / l air (maximum technically feasible concentration)

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12.0 ECOLOGICAL INFORMATION

To the best of our knowledge, the ecological effects of the material in this product have not been comprehensively investigated. However, by analogy to other pyrethroid compounds, the lambda cyhalothrin is likely to be highly toxic to fish. Prevent contamination of soil, water sources or sewers.

Ammonium hydrogen carbonate in free form	LC50 (96hrs)	16.8 – 19.6 mg / l	(<i>Oncorhynchus mykiss</i>)
Lambda cyhalothrin	LC50 (96hrs)	0.21 µg / l	(<i>Lepomis macrochirus</i>)
	EC50 (48hrs)	0.36 µg / l	(<i>Daphnia magna</i>)
	EC50 (96hrs)	>0.3 µg / l	(<i>Selenastrum caprocornutum</i>)

13.0 DISPOSAL CONSIDERATIONS

Traps should be collected and disposed of in accordance with local, state or national legislation.

14.0 TRANSPORT REGULATIONS

ROAD: Not classified as dangerous

SEA: Not classified as dangerous

AIR: Not classified as dangerous

15 REGULATORY INFORMATION



Xi – Irritant

R38	Irritating to skin
S2	Keep out of the reach of children
S13	Keep away from food, drink and animal feedstuffs
S24/25	Avoid contact with skin and eyes
S37	Wear suitable gloves
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

This product will be subject to pesticide legislation relevant to the country in which it is used.
The insecticide component has an EPA registration number: 10182-361

16 OTHER INFORMATION

If further safety data information is required, please contact AgriSense BCS Ltd

TO THE BEST OF OUR KNOWLEDGE THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT CLAIM TO BE ALL-INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE. ALL MATERIAL MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. AGRISENSE BCS LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OF, OR CONTACT WITH, THE ABOVE PRODUCT

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