

FARM AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000 Co Reg. No. 2005/011761/07

Head Office: 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe **South Africa**
Tel + 27 31 003 3486 • Fax + 27 31 502 5825

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Company Name: FarmAg International (Pty) Ltd.
 Mount Edgecombe,
 4300, South Africa.

Address: P. O. Box 1523 61 Marshall Drive,
 Durban Old Mill Industrial Park
 4000 Mount Edgecombe

Product Name: **FARMAG FAW LURE**
Product Use: PHEROMONE LURE
Effective Date: December 2017
Revision Date: March 2021

In case of Poisoning:

Griffon Poison Information Centre : 082 446 8946
 Western Cape Poison telephone service: 0861 555 777

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Common Name: 1) Z-7-Dodecenyl Acetate;
 2) Z-11-Hexadecenyl Acetate and
 3) Z-9-Tetradecenyl Acetate.
CAS No.: 1) [14959-86-5], 2) [34010-21-4] and 3) [16725-53-4]
Chemical family: Ester
Molecular formula: 1) C₁₄H₂₆O₂, 2) C₁₈H₃₄O₂, 3) C₁₆H₃₀O₂
Use: The product is intended for use as an attractant for *Spodoptera frugiperda*
Formulation: **Z-7-Dodecenyl Acetate** 0.019 g/kg;
Z-11-Hexadecenyl Acetate 0.394 g/kg
Z-9-Tetradecenyl Acetate 3.581g/kg
Capsule suspension

Composition: % present:

Z-7-Dodecenyl Acetate ± 0.0020%

Z-11-Hexadecenyl Acetate ± 0.034%

Z-9-Tetradecenyl Acetate ± 0.360%

Other Inerts ± 99%

Symbol: X_i, X_n

Indication of Danger: The product may cause irritation from prolonged (days of continuous) direct exposure to devices as would occur if devices were carried in clothing.

RISK-PHRASE(S) R38

WHO Formulated: III

SECTION 3 - HAZARD IDENTIFICATION**Ingestion:**

Harmful liquid enclosed in rubber septa very difficult to swallow.

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Skin Contact:

May cause irritation from prolonged (days of continuous) direct exposure to devices as would occur if devices were carried in clothing.

Inhalation:

Active ingredient goes free in a rate of less than 0.01 g per day at 20°C. Inhalation not feasible.

Eye Contact:

No known problem with eye contact.

SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

Inhalation:

Inhalation is not feasible.

Skin contact:

Remove contaminated clothing, shoes and leather goods immediately. Gently wipe off excess chemical. Wash skin gently and thoroughly with non-abrasive soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15 to 20 minutes). Seek medical advice if irritation develops and persists.

Eye contact:

No known problem with eye contact. Immediately flush the eyes with gently flowing lukewarm water or sodium bicarbonate solution for 20 to 30 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical advice immediately.

Ingestion:

Harmful liquid is enclosed in rubber septa very difficult to swallow. Call a physician or Poison Control Center.

Advice on treatment:

No specific antidote available. Treat symptomatically and supportively.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash point: Not applicable

The product is **Combustible**

Extinguishing agents:

Extinguish fires with carbon dioxide, dry powder, or alcohol-resistant foam. Water spray as a fog can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Contain water used for fire-fighting for later disposal.

Avoid the accumulation of polluted run-off from the site.

Fire fighting:

Remove spectators from surrounding area. Remove container from fire area if possible without risk. Eliminate all ignition sources in immediate area. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours. Keep upwind.

Personal protective equipment:

Fire-fighters and others that may be exposed should wear full protective impervious clothing, including gloves and eye protection, and self-contained breathing apparatus. Contact with the fumes and vapours should be avoided by staying upwind.

Clean all clothing before re-use. Severely contaminated clothing cannot be adequately decontaminated, and must be disposed as a hazardous waste. Shower with soap and water after contact with this product.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal precautions:

No protective apparatus necessary for clean-up. For personal protection see Section 8.

Methods for cleaning up:

Pick up material and dispose of in approved manner.

Occupational spill:

Pick up rubber devices and dispose in approved manner. No need for evacuation.

SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

Handling:

No special precautions necessary when handling these rubber devices.

Storage:

Keep away from heat, sparks and open flame. Store at or below 25°C.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

No open flames.

Personal Protective Equipment:

No respiratory equipment required.

Hand:

Compatible chemical resistant gloves recommended for prolonged handling.

Eye:

No precautions necessary if devices are handled in prescribed manner.

General Hygiene Measures:

Wash contaminated clothing before reuse. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State: Colourless to slightly yellow liquid.

Property Value

Molecular Weight: N/A

pH: N/A

BP/BP Range: N/A

MP / MP Range: N/A

Freezing Point: N/A

Vapor Pressure: N/A

Vapor Density (Air = 1): > 1

Saturated Vapour Conc: N/A

SG / Density @ 25°C: 0.87

Bulk Density: N/A

Odor Threshold: N/A

Volatile %: N/A

VOC Content: N/A

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Water Content:	N/A
Solvent Content:	N/A
Evaporation Rate:	N/A
Viscosity:	N/A
Surface Tension:	N/A
Partition Coefficient:	N/A
Decomposition Temp.:	N/A
Flash Point:	98.5 ±20 °C
Stability:	Stable, avoid strong oxidizing agents.
Explosion Limits:	N/A
Auto-ignition Temp.:	N/A
Refractive Index:	N/A
Optical Rotation:	N/A
Miscellaneous Data:	N/A
Solubility in water:	Insoluble in water
N/A	Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable. Materials to avoid, Strong oxidizing agents. Strong reducing agents.
Hazardous Decomposition Products:	Carbon dioxide and Carbon monoxide.
Hazardous polymerization:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

The following applies to the rubber devices enclosing the active ingredient when used in the prescribed manner.

Acute oral toxicity:	LD ₅₀ >5000 mg/kg-EPA category IV, non-toxic,
Acute dermal toxicity:	LD ₅₀ >2000 mg/kg-EPA category IV, non-toxic,
Acute inhalation toxicity:	LD ₅₀ >5 mg/L-EPA category III-IV, practically non-toxic.
Mutagenicity:	No evidence of mutagenicity (Ames Salmonella assay).
Skin Contact:	Not known to cause skin irritation.
Skin Absorption:	Not absorbed through the skin.
Eye Contact:	May cause eye irritation if directly rubbed in eye due to abrasion.
Inhalation:	Material not possible to inhale.
Ingestion:	Material could cause choking if swallowed.
Signs and Symptoms of Exposure:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Toxicity Data

Threshold Limit Value:	N/A
OSHA Permissible Exposure Limit (PEL):	N/A
Listed as carcinogen by NTP, IRAC or OSHA:	No

SECTION 12 - ECOLOGICAL INFORMATION

No data available

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SECTION 13 - DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

UN NUMBER: Not Regulated

DOT: Not Regulated

IATA: Not Regulated

SECTION 15 - REGULATORY INFORMATION

Symbol: X_i, X_n

Indication of danger: May cause skin irritation and harmful if swallowed substance.

Risk phrase(s):

R 22 Harmful if swallowed.

R 38 Irritating to skin.

Safety phrases:

S 1/2 Keep out of reach children.

S 13 Keep away from food, drink and animal feeding stuffs.

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

SECTION 16 - OTHER INFORMATION

Packaging:

Packed in 5 cm X 7 cm aluminium pouch and labeled according to South African regulations and guidelines.

Disclaimer:

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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