



SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FF240 FRUIT FLY BAIT
 ACTIVE: **SPINOSAD 0,24g/L**
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.
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1. CHEMICAL PRODUCT

Identified Uses: Agricultural Insecticide

Chemical Name: Bait Concentrate containing 0.24 gms / l Spinosad as active ingredient

2. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous components (see section 16 for complete R- phrases)

Spinosad A and 0.02 %

Spinosad D

Co- formulants

Balance

UN NUMBER - NOT REGULATED

3. HAZARDS IDENTIFICATION

This product is not hazardous according to EC criteria.

Emergency Overview:

- o **Brown to Dark Brown Viscous liquid with high density compared to water.**
- o **Stable in normal conditions**

Potential Health Effects:

- | | | |
|---|------------------------------------|---|
| o | Eye : | Possible moderate irritation – Corneal injury unlikely |
| o | Skin: | No negative effects – absorption of harmful levels unlikely |
| o | Inhalation: | Excessive inhalation may irritate nose and throat. |
| o | Ingestion : | Low toxicity |
| o | Signs and Symptoms: | None |
| o | Mutagenicity | None |
| o | Sensitisation | None |
| o | Carcinogenicity and teratogenicity | None |
| o | Other | None |

4. FIRST AID MEASURES

Eyes: Flush eyes thoroughly with running water for at least 15 minutes. If irritations persist consult a Medical Practitioner or preferably an Eye Specialist.

Skin: Immediately remove contaminated clothing and wash skin with soap and water.

Inhalation: Move patient to a well ventilated area to rest in a comfortable breathing position.

Ingestion:

- o Do not induce vomiting. Rinse mouth with clean water. DO NOT administer anything orally to unconscious persons. Call a physician
- o Never give fluids or induce vomiting to unconscious persons or persons having convulsions.

NOTE TO PHYSICIAN

No specific antidote- Supportive Care

5. FIRE FIGHTING MEASURES

Flammable Properties: Inflammable

Unusual Fire & Explosion Hazards: Unusual Fire & Explosion Hazards

Fire Extinguishing Media: Water, fog or fine spray, foam, dry chemicals, carbon dioxide.

Fire Fighting Instructions Protective equipment and gear: Wear self-contained breathing apparatus and prescribed personal protective gear.

Fire- fighting procedures

If no risk exists remove container away from immediate flames and fire. Alternatively keep containers cool with spray water. Contain spill to prevent entry into water, draining systems, sewers and surrounding areas.

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment: Wear prescribed personal protective clothing and Equipment. Refer to Section 8 for personal equipment.

Personal Caution: Do not splash.

Environmental Precaution: Contain spillage if possible and prevent seeping or flowing into soil, ditches, sewers, waterways and groundwater. Alert local authorities if spillage entered any of above mentioned areas.

Cleaning Procedure:

- o Contain small spills.
- o Small spills – absorb with materials such as clay, dirt, sand and seep up. Collect in suitable and properly identified containers for disposal
- o Large Spills Contact Harvest Crop Solutions for cleaning assistance and advice. Barricade the area.
- o Observe and obey State, Provincial and Local regulations for health, safety and environmental protection when disposing of recovered material.

7. HANDLING AND STORAGE

Handling

- o Keep out of reach of children, uninformed persons and animals
- o Do not Swallow
- o Avoid breathing of spray mist
- o Avoid contact with eyes and skin.
- o Use only in a well ventilated area.
- o Wash thoroughly after handling
- o Wear protective clothing and equipment. Refer Section 8 for personal protection
- o Wash hands and exposed skin before eating, drinking, smoking or retiring from work.

Storage

- o Store in original containers and keep containers tightly closed during storage.
- o Store in a cool dry place with proper ventilation.
- o Store away from excessive moisture, acids and base materials
- o Do not store near food, animal feeds, fertilisers, pharmaceuticals, potable water or eating utensils.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Specific Engineering Controls: Use of general ventilation sufficient. Personal Protection Equipment.

- o Respiratory: No need for respiratory protection
- o Gloves: Outside: Polyvinyl chloride, Polyethylene or Rubber. Inside: Cotton, rayon.
- o Eye/ Face: Eye protection not necessary but Safety goggles recommended.
- o Footwear: Standard working shoes and socks.
- o Clothing: Long pants and long sleeve shirt.
- o Others: None specific.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid
Colour:	Brown, may darken with time and temperature
Odour:	Vinegar
Flash point	100 deg.C
Water solubility	soluble
Rel. density (water=1)	1.20 g/cm ³ (20 deg .C)
Explosive properties	not explosive
Ph	4.7 (1 % aq. sol)
Low Pow	<3
BCF	<100

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable - under normal storage conditions
Conditions to Avoid:	None – known
Materials to Avoid:	Strong basic, acidic or oxidising materials
Hazardous Decomposition Products:	None under normal conditions of storage or use.
Others:	Avoid very high temperatures and freezing conditions.

11. TOXICOLOGICAL INFORMATION

Ingestion

- o Low toxicity if swallowed
- o The oral LD50 for (rat) >5000mg / kg

Skin Contact

- o The Dermal LD50 for (rabbits) >5000mg/kg
- o Prolonged skin contact is unlikely to result in absorption of harmful amounts.
- o May cause slight skin irritation.

Sensitisation

- o Non sensitising (guinea pig) skin

Eye Contact

- o May cause moderate eye irritation. Corneal injury is unlikely.

Inhalation

- o Excessive exposure may cause irritation to upper respiratory tract (nose and throat)

Mutagenicity

- o For Spinosad A invitro and animal genetic toxicity studies were negative.

Carcinogenicity and teratogenicity

- o Spinosad does not cause cancer or cause birth defects.

Reproductive Effects

- o Effects on reproduction were only seen in laboratory animals at doses that produced significant toxicity to parent animal.

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Assessment largely or completely based on data for active ingredient.

Persistence and Degradability

Spinosyn A: Half-life in soils is dependent on soil type and conditions and is approximately 9 - 17 days. Spinosyn D: Half-life in soils is dependent on soil type and conditions and is approximately 14 days.

No data is available however the active ingredient is estimated to be low- bio-accumulative because of low partition coefficient.

Ecological Toxicity

Aquatic Toxicity

For aquatic organisms, material is expected to be of low toxicity. (LC50 or EC50 is > 100 mg/L)

Avian Toxicity

For birds, material is expected to be of low toxicity.

Bees LD50: > 100,0µg/ Bee

13. DISPOSAL CONSIDERATIONS

- o Mix the material with sawdust or combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- o Do not discharge into sewer systems, waterways, rivers, ditches or ground water areas.
- o Do not re-use empty container for any other purpose.
- o Contaminated empty containers must be disposed of as regulated.
- o Observe and obey state, provincial and local government regulations in regard to health, safety and environmental protection.

14. TRANSPORT INFORMATION

Sample shipment not allowed by mail. Product is not classified for any mode of transportation.

15. REGULATORY INFORMATION

Hazard Symbol: None Required

Risk Phrase: None Required

Safety Phrase: Keep out of reach of children and uninformed persons (S2). Keep away from food, drink and animal feeding stuffs (S13).

National legislation: In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

16. OTHER INFORMATION

- o The Pesticide Manual; Eleventh Edition, Editor Clive Tomlin; Crop Protection Publication, 1997
- o SABS 0265 :1999

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