



Harvest Crop Solutions (Pty) Ltd
Co. Reg. No. 2014/187205/07 / Mpy. Reg. No.
2014/187205/07
25 Dan Pienaar Road, Kloof 3610
REPUBLIC OF SOUTH AFRICA
Tel: +27 (0) 31 764 6315
Fax: +27 (0) 31 764 7798

SECTION 1. Chemical product and company identification

Product identifier:

Identification as on the label/Trade name: **NEX FLY FRUIT FLY BAIT**

Additional information: Product code

Relevant identification uses of the substance and uses advised against:

Identified uses: **Insecticide**

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Company name: Harvest Crop Solutions (Pty.), Ltd.

Address: 25, Dan Pienaar Road, Kloof, 3610.

Contact: 031-764-6315

Emergency telephone numbers: Poison Helpline 086-155-5777

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
Environmental hazard	H410 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: None

Label elements



Hazard pictograms:

Signal Word: Warning

Hazard Statements: H410 Toxic to aquatic life with long lasting effects.

Precautionary Statements: P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P203 Obtain, read and follow all safety instructions before use. P391 collect spillage

Special labelling of certain mixtures: None

Other hazards: None



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
Spinosad	168316-95-8	91%	Aquatic acute 1 H400 M=10. Aquatic chronic 1 H410 M10.
Spinosyn E	-	2.52%	Aquatic acute 1 H400 M=10. Aquatic chronic 1 H410.
Spinosyn E	-	2.52%	Aquatic acute 1 H400 M=10. Aquatic chronic 1 H410.
Spinosyn A	131929-60-7	1,01%	Aquatic acute 1 H400 M=10. Aquatic chronic 1 H410.
Spinosyn E	-	2.52%	Aquatic acute 1 H400 M=10. Aquatic chronic 1 H410.
Spinosyn A	131929-60-7	0,50%	Aquatic acute 1 H400 M=10. 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:

General advice

Show this Safety Data Sheet to the doctor in attendance. Immediate medical attention is required

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:

If spilt on the skin, remove contaminated clothing and wash affected areas of skin immediately. DO NOT Scrub he kin. Remove and wash contaminated clothing before re-use.

In case of eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.



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SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media: Water spray, fog or fine spray, foam, dry chemical, carbon dioxide

SMALL FIRE: See above.

LARGE FIRE: See above.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Flammable properties: Inflammable

Unusual fire & Explosion Hazards: Non. Caution must however be taken into combustion of other products

Specific hazards arising from the mixture: None known

Hazardous Combustion products: None known.

Specific extinguishing methods:

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.

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: Evacuate personnel to safe areas. Keep people away from and upwind of spill/ leak.

For emergency responders: wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking

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. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.

Methods and materials for containment and cleaning up:

Material for containment and cleaning up:

Contain spillage if possible and prevent seeping or flowing into soil, itched, sewers, waterways and groundwater. Alert local authorities if spillage entered any of above-mentioned areas. Observe and obey State, Provincial and Local regulations for health, safety and environmental protection when disposing of recovered material



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Waste disposal:

Treatment, storage, transportation and disposal must be in accordance with local and regional regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

For small spills absorb with materials such as clay, dirt, sand and seep up. Collect in suitable and properly identified containers for disposal

For large spills Contact Harvest Solutions for cleaning assistance and advice. Barricade the area.

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:

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

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:

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

Incompatible substances: Store away from incompatible materials, heat, sun and source of ignition.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters:

The product does not contain any relevant quantities of material with critical values that have to be monitored at the work place.



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Exposure control:

Respiratory: No need for respiratory protection

Gloves: Outside: Polyvinyl chloride, Polyethylene or Rubber. Inside: Cotton, Rayon

Eye /face: eye protection not necessary but Safety goggles is recommended.

Footwear: Standard working shoes and socks

Clothing: Long pants and long sleeve shirt

Other: None specific

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form):	Viscous Liquid
Colour:	Brown, may darken with time and temperature
Odour	Vinegar
pH:	4.7 (1% aq. Sol)
Flash point:	>100 °C
Water solubility	Soluble
Relative density (water=1)	1.20 g/cm ³ (20 °C)
Explosive properties	Not explosive
Low Pow	<3
BCD	<100

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: hazardous polymerization will not occur

Conditions to avoid: Heat, spark, open flames, hot surface and direct sunlight

Incompatible materials: Strong basic, acidic or oxidising materials

Hazardous decomposition products: None under normal storage conditions of storage or use

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Spinosad CAS 168316-95-8	
Acute oral LD ₅₀	Rats 3783, female rats >5000 mg/kg
Acute dermal LD ₅₀	Rabbit >2000 m/kg
Acute inhalation LC ₅₀ (4 h)	Rats > 5.18 mg/ℓ
Skin irritation/ corrosion (rabbits)	Non-irritating to skin
Eye damage / irritation (rabbits)	Slight irritation to eyes
Respiratory or skin sensitization (guinea pigs)	Not a sin sensitiser (guinea pigs)
Germ cell mutagenicity	Non-mutagenic
Carcinogenicity	No information available
Reproductive toxicity	No reproductive effects
Specific Target Organ Toxicity STOT single exposure	No information available



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Specific Target Organ Toxicity STOT repeated exposure	No information available
Aspiration hazard	No information available

SECTION 12. ECOLOGICAL INFORMATION

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

Spinosad CAS 168316-95-8	
Acute toxicity	
Birds: Acute oral LD ₅₀ Acute oral LC ₅₀	Bobwhite quail and mallard ducks >2000 mg/kg Bobwhite quail and mallard ducks > 5156 ppm
Fish: LC ₅₀ (96 h)	Rainbow trout 30, Bluegill sunfish 5.9, Common carp 5, Japanese carp 3.5 sheepshead minnows 7.9 mg/ℓ
Daphnia LC ₅₀ (48 h)	14 ppm
Algae EC ₅₀ (96 h)	<i>Selenastrum capricornutum</i> >105.5, <i>Skeletonema costatum</i> 0.2, <i>Navicula pelliculosa</i> 0.09, <i>Anabaena flos-aquae</i> 8.9 ppm
Other aquatic spp.	Eastern oyster 0.3, grass shrimps >9.76 ppm. <i>Lemna gibba</i> 10.6 ppm
Bees LD ₅₀ (topical 48 h)	Highly toxic to honeybees when sprayed directly 0.0029 µg/bee residues, once dry, have little effect on bees
Worms LC ₅₀ (14 d)	<i>Eisenia foetida</i> >1000 mg/kg Soil
Other beneficial spp.	Non-toxic to sucking insects, predacious insects (e.g., lady birds), lacewings, big eyed bugs or minute pirate bugs.

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. 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.



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SECTION 14. TRANSPORT INFORMATION

UN Number: Not classified for any mode of transportation
Un proper shipping name: Environmentally Hazardous Substance, Liquid N.O.S
UN Classification [transport hazard class(es):
Packing group (if applicable)
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

Relevant classification and H statements (number and full text):

H410 Toxic to aquatic life with long lasting effects.

Training instructions:

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

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.