

# FARM-AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000

Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe **South Africa**

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

**Product Name:** FarmAg Fenbutatin Oxide 550  
**Product Use:** Insecticide  
**Effective Date:** March 2016  
**Revision Date:** January 2021

**Company:** Farm-Ag International (Pty) Ltd  
61 Marshall Drive  
Old Mill Industrial Park  
Mount Edgecombe

**24 Hr Emergency Number:** 082 771 2712  
**In case of Spillage:**  
**HAZMAT:** 0800 147 112  
**In case of Poisoning:**  
Poison Information Centre 082 446 8946  
Tygerberg Hospital: (021) 931 6129  
Red Cross Poison Emergency Enquiries :(021) 689 5227

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

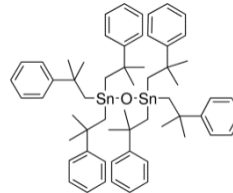
ACTIVE INGREDIENT: Fenbutatin oxide 550g/l SC

CHEMICAL NAME: Bis[tris(2-methyl-2-phenylpropyl)tin]oxide

CAS No: [13356-08-6]

CHEMICAL FAMILY: Organotin

CHEMICAL FORMULA: C<sub>60</sub>H<sub>78</sub>OSn<sub>2</sub>



USE: acaricide

INGREDIENTS	Content (g/l, w/v)
Active ingredient	≥550
Inert ingredients	≤450

## SECTION 3 - HAZARD IDENTIFICATION

Toxicity class: WHO III

Main hazard: fenbutatin oxide

Fire and explosion hazard: the media is dry chemical, foam, fine-spray, fog.

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Chemical hazard: -

Ingestion: see section 11

Skin contact: see section 11

Inhalation: see section 11

Carcinogenicity: see section 11

Mutagenicity: see section 11

Neurotoxicity: see section 11

Reproductive / Teratogenicity: see section 11

## SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

### Symptoms of human poisoning

May cause skin irritation and/or a rash.

May cause slight eye irritation.

Ingestion – may cause discomfort such as nausea, headache or weakness. Higher exposure may cause abnormal kidney function.

Inhalation – may cause irritation of the upper respiratory passages, discomfort, difficulty with breathing or shortness of breath.

### First Aid

Skin Contact: Remove contaminated clothing. Wash skin with plenty of soap and water for 10-15 minutes.

Eye Contact: Hold eye lids open and flush with water for at least 15 minutes. Get medical attention.

Inhalation: Move patient to fresh air. Get medical attention.

Ingestion: If the patient is not breathing, give artificial respiration. If conscious, give 1-2 glasses of water. Do not induce vomiting.

Antidote: There is no known antidote.

Note to physician: Treat symptomatically. Probable gastric mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Do not conduct blood transfusion.

## SECTION 5 - FIRE-FIGHTING MEASURES

### FLAMMABLE PROPERTIES

FLASH POINT: Does not flash.

### FIRE AND EXPLOSION HAZARDS:

Extinguishing agents: Foam, carbon dioxide, dry powder, sand, earth, or water spray.

Firefighting: Wear positive pressure self-containing breathing apparatus. Remove containers from fire area if possible. Contain fire control water for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Keep material out of sewers and water sources. Avoid inhalation of hazardous vapours. Keep personnel upwind.

Fire-fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

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### **General and disposal:**

Use proper protective equipment to minimize exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure the disposal is in compliance with Federal requirements and state or local regulations.

### **Personal precautions:**

Do not inhale fumes. Ventilate area of spill or leak. Avoid contact with skin, eyes or clothes. For personal protection see section 8.

### **Environmental precautions:**

Do not allow entering drains or watercourses. What the product contaminates public waters, inform appropriate authorities immediately in accordance with local regulations. spills contact the manufacturer. Contain liquid far ahead of spill. Contain spillage and contaminated eater for subsequent disposal. Do not flush spilled material into drains. Keep spectators away and upwind.

### **Land spill or leak:**

Carefully sweep up while avoiding the formation of a dust cloud. Place in suitable container and seal for disposal. Area can be washed with water to remove last traces of material, but keep out of watercourses or sewers. Inform authorities immediately if contamination occurs.

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## SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

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### **Handling:**

Avoid contact with eyes and skin and inhalation of fumes. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking or using the toilet. Operators should change and wash clothing daily. Remove clothing immediately if the product gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present. Water used to clean equipment must be disposed of correctly to avoid contamination.

### **Storage:**

Store in its original container in an isolated, dry, cool and well-ventilated area. Store away from incompatible substances. Keep under lock and key out of reach of unauthorized persons, children and animals. Not to be stored next to foodstuffs and water supplies.

Local regulations should be complied with.

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## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

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### **Occupational exposure limits:**

### **Engineering control measures:**

It is essential to provide adequate ventilation. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire and other applicable regulations.

### **Personal protective equipment:**

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal equipment including approved respiratory protection.

### **Respirator:**

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An approved full-face respirator suitable for protection from mists of pesticides is required. Limitations of respirator use specified by the approving agency and the manufacturer must be observed.

**Clothing:**

Employee must wear appropriate protective clothing and equipment to prevent skin contact with the substances.

**Gloves:**

Employee must wear appropriate chemical resistant protective gloves to prevent contact with this substance.

**Eye protection:**

Employee must wear splash-proof safety goggles and face-shield to prevent contact with this substance.

**Emergency eye wash:**

Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance: liquid

Relative density: 1125 g/l

Persistent foaming: No information currently available.

Storage stability: It is stable in common conditions for two years.

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## SECTION 10 - STABILITY AND REACTIVITY

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Stability: stable for up to 2 years under normal warehouse and field conditions.

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## 11. TOXICOLOGICAL INFORMATION

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Acute oral LD50: 580mg/kg for male rats  
1710mg/kg for male mice  
1470mg/kg for female mice

Acute dermal LD50: >10000mg/kg for female mice

Acute skin irritation: Slight irritation

Acute eye irritation: Slight irritation

Sub-chronic (target organ effects): Results from 2 years' animal studies suggest no target organ effects under the conditions of normal handling and use.

Chronic toxicity and carcinogenicity information: Results from 2 years' animal studies suggest no any chronic or carcinogenicity effects.

Carcinogenicity: Animal studies did not detect any carcinogenic effects.

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No human information available.

Teratogenicity: Animal studies did not detect any teratogenic effects.

No human information available.

Mutagenicity: Animal studies did not detect any mutagenic effects. No human information available.

## 12. ECOLOGICAL INFORMATION

Breakdown of Chemical in Soil and Groundwater: Not applicable

Breakdown of Chemical in Surface Water: Not applicable

Breakdown of Chemical in Vegetation: Not applicable

Other environmental information:

Use precautions: Do not glaze or feed clipping from treated areas to livestock.

## 13. DISPOSAL CONSIDERATION

Pesticide disposal:

Waste resulting from the use of this product that cannot be reused or reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable local procedures. Hydrolysis under alkaline conditions is a suitable method to dispose of small quantities of the produce. After hydrolysis, dilute and dispose of landfill. Comply with any local legislation applying to waste disposal.

Package product wastes:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Handling and disposal of pesticide wastes, including spill or rinsates, must be in accordance with Federal requirements under the Resource Conservation and Recovery Act (RCRA), also must ensure that the waste disposal is in compliance with state and local regulations which may be more restrictive or otherwise different from the RCRA requirements.

Do not contaminate water, food or feed by storage or disposal.

Hazardous waste ingredients: None.

## 14. TRANSPORT INFORMATION

UN Number: 3082

ADR/IRD: Not regulated

IMDG/IMO: Not regulated

AIR/IATA: Not regulated

UK classification: Not regulated

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Tremcard number: Not regulated

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## **15. REGULATORY INFORMATION**

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Symbol: Not applicable

Indication of danger: low poison

Hazard group: 9

Packaging classification: III

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## **16. OTHER INFORMATION**

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All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.