

**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 0033486 • Fax + 27 31 502 5825

Product Name: FARMAG PICOXY 250 SC  
 Product Use: Fungicide  
 Creation Date: February 2017  
 Revision Date: March 2021

**In case of Poisoning:**

Western Cape Poison Centre : 0861555777

**In case of Spillage:**

Tygerberg Hospital: +27 21 931 6129

HAZMAT: 0800 147 112

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

**Common Name:** picoxystrobin  
**Chemical name:** methyl (2E)-3methoxy-2-(6-(trifluoromethyl)-2-pyridyloxymethyl)phenyl]acrylate]  
**Chemical family:** strobilurin type: methoxyacrylate  
**Molecular weight:** 367.3  
**Chemical Formula:** C<sub>18</sub>H<sub>16</sub>F<sub>3</sub>NO<sub>4</sub>  
**Use:** For broad-spectrum disease control, including *Mycosphaerella graminicola*, *Phaeosphaeria nodorum*, *Puccinia recondite* (brown rust) and *Helmithosporium avenae* in oats; and *Puccinia recondite* and *Rhynchosporium secalis* in rye.  
**Formulation:** Picoxystrobin 250 g/l  
 Suspension Concentrate

**Composition:**

| Chemical name | Cas No.     | Classification | Conc. [%] |
|---------------|-------------|----------------|-----------|
| Picoxystrobin | 117428-22-5 | Xn, N          | 25%       |
| Other inerts  |             | Xi             | < 0.1%    |

**Symbol:** Xn, N**Indication of danger:** Environmentally Hazardous Substance.**Risk phrases:** R20, R36/38, R50/53**SECTION 3 - HAZARD IDENTIFICATION****Likely routes of exposure:****Skin:** May be harmful in contact with skin.**Ingestion:** May be harmful if swallowed**Environmental hazard:** Harmful to aquatic organisms, may cause long-term adverse effects in aquatic environment.**SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS**

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

**Inhalation:**

If vapours or mists have been inhaled, and irritation has developed, remove the source of contamination or move victim to fresh air. The patient should be kept under observation and obtain medical attention if irritation persists.

**Skin contact:**

Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with cold water and non-abrasive soap. Do not rub the skin. Get medical attention if necessary.

**Eye contact:**

Immediately flush eyes with a stream of clean water for at least 20 minutes, holding the eyelid(s) open. Obtain medical attention if irritation persists.

**Ingestion:** Seek medical attention immediately. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If alert, rinse mouth with plenty of water.**Do not induce vomiting.** Do not give anything by mouth. Obtain medical attention. If the person is alert, rinse mouth thoroughly with water.**Advice on treatment:**

There is no specific antidote available. Treat symptomatically and supportively.

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## SECTION 5 - FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Water, foam carbon dioxide or dry chemical.

**Unsuitable Extinguishing media:** Water jet due to contamination risk

**Special hazards:**

Expected to release oxides of Nitrogen and carbon if heated.

**Fire fighting Procedures:**

Remove spectators from surrounding area. Remove container from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours and fumes from burning materials. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fume from burning materials. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Collect contaminated fire extinguishing water separately. This must be discharged into drains, must be disposed of in accordance with local regulations.

**Personal protective equipment:**

Fire may produce irritating or poisonous vapours (toxic fumes of carbon dioxide, nitrogen oxides). Fire fighters and others that may be exposed should wear NIOSH/MSHA approved breathing apparatus and full protective clothing.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

**Personal precautions:**

Avoid contact with skin and eyes. Do not breathe in spray or fumes. Do not swallow. For personal protection see Section 8.

**Environmental precautions:**

Use appropriate container to avoid environmental contamination. Do not allow entering drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs. If the spill is porous, the contaminated material must be collected for subsequent treatment or disposal.

**Occupational spill:**

Remove all sources of flames and sparks. For small liquid spills, contain spilled product by diking area with sand, earth or vermiculite. For large liquid spills, should be diked with absorbent material and pumped into containers for disposal. In situations where product comes in contact with water, contain contaminated water for later disposal. Do not flush spilled material into drains. Keep spectators away.

## SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

**Handling:**

Harmful by skin or eye contact, inhalation or ingestion. Avoid contact with eyes and skin, and inhalation of spray and vapour. 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 insecticide 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, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

**Storage:**

Do not store near sources of sparks, flame or heat. Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in its original labelled container in isolated, dry, cool and well-ventilated area. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering measures:**

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. 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 protective equipment including approved respiratory protection.

**Respirator:**

An approved respirator suitable for protection from mists of pesticides is adequate. Limitations of respirator use specified by the approved agency and the manufacturer must be observed.

**Clothing:**

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance (according to DIN-EN 465).

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**Gloves:**

Employee must wear appropriate chemically protective gloves to prevent contact with this substance. These should satisfy the EN374 standard.

**Eye protection:**

The use of chemical safety goggles is recommended. Contact lenses are not protective eye devices.

**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.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                        |                          |
|------------------------|--------------------------|
| <b>Appearance:</b>     | Off-white suspension     |
| <b>Flammability:</b>   | Not flammable.           |
| <b>Suspensibility:</b> | min 95% after 30 min.    |
| <b>pH:</b>             | 5-8                      |
| <b>Density:</b>        | 1.10 ± 0,05 g/ml at 20°C |
| <b>Corrosive:</b>      | Not corrosive.           |
| <b>Solubility:</b>     | Suspends in water        |

**SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Chemically and thermally stable. Stable under normal storage conditions in original container, tightly closed.

**Incompatibility:** Avoid oxidizing agents.

**Hazardous decomposition products:** Hazardous gases may be released under heating or combustion

**Conditions to avoid:** Temperature: <=-5°C. Avoid thermal decomposition, do not overheat. Protect from frost.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>Acute oral LD<sub>50</sub>:</b>   | > 5000 mg/kg in              |
| <b>Acute dermal LD<sub>50</sub>:</b> | 5000 mg/kg in rats           |
| <b>Acute skin irritation:</b>        | Mild irritant,               |
| <b>Acute eye irritation:</b>         | Mild irritant.               |
| <b>Dermal sensitization:</b>         | Product is not a sensitizer. |
| <b>Reproductivity:</b>               | No productive toxicity.      |
| <b>Mutagenicity:</b>                 | No adverse effects expected  |
| <b>Carcinogenicity:</b>              | No carcinogenic effect       |
| <b>ADI:</b>                          | 0.04 mg/kg b.w. [2003]       |

**SECTION 12 - ECOLOGICAL INFORMATION****Persistence and Degradability:**

Rapidly degraded in soils, with CO<sub>2</sub> as the major product; lab. DT<sub>50</sub> (aerobic) 19-33 d; field dissipation DT<sub>50</sub> 3-35 d. Not mobile in soil under field conditions; K<sub>oc</sub> 790-1200 ml/g. Rapid dissipation in water indicates no chronic issues for aquatic organisms; water phase DT<sub>50</sub> 7-15 d (lab. And outdoor water sediment systems).

**Bio-accumulative Potential :** Not determined

**Mobility in soil:** Not determined

The product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**ECOTOXICOLOGY:****Birds: Practically non-toxic to birds.**

|                         |                 |              |
|-------------------------|-----------------|--------------|
| Oral LD <sub>50</sub> : | Mallard ducks:  | 1350 mg/kg   |
|                         | Bobwhite quail: | > 2250 mg/kg |

**Fish: Very toxic to fish.**

|                              |               |            |
|------------------------------|---------------|------------|
| LC <sub>50</sub> (96 hours): | (two species) | 65-75 µg/l |
|------------------------------|---------------|------------|

**Daphnia:**

|                              |                        |         |
|------------------------------|------------------------|---------|
| EC <sub>50</sub> (48 hours): | <i>Daphnia magna</i> : | 18 µg/l |
|------------------------------|------------------------|---------|

**Algae:**

|                                       |                                |         |
|---------------------------------------|--------------------------------|---------|
| E <sub>b</sub> C <sub>50</sub> (72 h) | <i>Selenastrum capricmutum</i> | 56 µg/l |
|---------------------------------------|--------------------------------|---------|

**Other aquatic organisms:**

|                  |  |         |
|------------------|--|---------|
| EC <sub>50</sub> | <i>Chironomus riparius</i> (28 d, dosed to sediment) | 19mg/kg |
|------------------|--|---------|

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(25 d, dosed to water) 140 µg/l

**Bees: Not toxic to bees.**LD<sub>50</sub> (oral): >200 µg/bee**Earthworm:**LC<sub>50</sub> (28 days): *Eisenia foetida* 6.7 mg/kg soil**SECTION 13 - DISPOSAL CONSIDERATION**

**Waste:** 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. Disposal should be done by a certified incineration plant. Comply with local legislation applying to waste disposal.

**Container:** Do not re-use the empty container for any other purpose. Triple rinse empty containers by inverting the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of one third of that of the container. Add the rinsings to the contents of the spray tank before recycling or destroying the container in the prescribed manner. Comply with local legislation applying to waste disposal.

**SECTION 14 - TRANSPORT INFORMATION****UN NUMBER:** 3082**Road Transport ADR/RID:**

Class: 6.1

Packaging group: III

Shipping name: Environmentally hazardous substance, Liquid, N.O.S. (Picoxystrobin 250 g/l).

**Maritime Transport IMDG/IMO:**

Class: 6.1

Packing group: III

Shipping name: Environmentally hazardous substance, Liquid, N.O.S. (Picoxystrobin 250 g/l).

**Considered a marine pollutant.****SECTION 15 - REGULATORY INFORMATION****Symbol :** Xn, N**Indication of danger :** Environmentally Hazardous Substance.**Risk phrase(s):****R 20/22** Harmful by inhalation and if swallowed.**R 36/38** Irritating to eyes and skin.**R 52/53** Harmful to aquatic organisms, may cause long-term adverse effects in aquatic environment.**Safety phrases:****S 1/2** Keep locked up and out of reach children.**S 13** Keep away from food, drink and animal feedingstuffs.**S 24/25** Avoid contact with skin and eyes.**S 36/37/39** Wear suitable protective clothing, gloves and eye/face protection.**S 46** If swallowed, seek medical advice immediately and show this container or label.**S 56** Dispose of this material and its container to hazardous or special waste collection point.**S 62** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.**SECTION 16 - OTHER INFORMATION****Packaging:**

Packed in 1, 5, 10, 20 and 25 litres fluorinated plastic containers and labelled 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 nor 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.