

Safety Data Sheet

PYRILATE EC - Reg. No: L 7570 (Act No 36 of 1947) Namibian Reg. No. N-AR 2095

EFFECTIVE DATE: 29/06/2004

REVISION DATE (VERSION): May2022 (2)

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	PYRILATE EC
Other means of identification:	Pyriproxyfen 100 g/L EC
UN number:	1993
Recommended use:	Insecticide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN Telephone: (011) 396 2233 Fax: (011) 396 4666 www.agritech.co.za
Emergency Number:	Emergency telephone numbers: 24 Hr Transport / Spill emergency no: Hazcall24 +27 86 044 4411 (Client: Villa Crop Protection) Griffon Poison Information Centre +27 82 446 8946 (Client: Villa Crop Protection) Poisoning Emergency telephone numbers: Griffon Poison Information Centre +27 82 446 8946 Poisons Information Centre +27 861 555 777
Chemical Name:	2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine
2) Classification of the substance / mixture:	
Classification of the product:	N; F; Xi; R10; R20/21/22; R36/37/38; R41; R50/53 Full text of symbols and R-phrases: see section 15.
Label elements:	Hazard symbols: N – Dangerous for the environment Xi – Irritant F - Flammable  Signal word: Irritant
Health effects: eyes:	Moderate to high irritation.
Health effects: skin:	Moderate irritation.

Health effects: ingestion	Harmful if swallowed.
Health effects: inhalation	Harmful if inhaled.
Health effects: Other	No data available

3) COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture:

Chemical name	% composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Pyriproxyfen	10	95737-68-1	429-800-1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	N F X; R10 R20/21/22 R36/37/38 R41 R50/53

Full text of R- and S-phrases: see section 15.

4) First Aid Measures:

<p>Eye contact:</p> <p>Skin contact:</p> <p>Ingestion:</p> <p>Inhalation:</p> <p>Most important symptoms and effects, acute and delayed:</p> <p>Indication of immediate medical attention and special treatment needed: Advice to physician</p>	<p>Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Use safety goggles.</p> <p>Strip off all contaminated clothing and thoroughly wash body with soap and water. Persons providing first aid must wear gloves to avoid self-contamination. Get medical attention if necessary.</p> <p>Do not induce vomiting. Drink large quantity of water. Maintain blood pressure and airway. Give oxygen if respiration is depressed. Call a physician and show this data sheet. Administration of gastric lavage or oxygen should be performed by qualified medical personnel.</p> <p>Remove patient to well ventilated area and loosen clothing around the neck. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention if necessary.</p> <p>None known</p> <p>Symptomatic treatment and supportive therapy as indicated.</p>
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5) Fire-Fighting Measures:

<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>Product is moderately flammable. For small fires carbon dioxide, dry chemical foam or standard foam. For large fires, use foam or water-fog; avoid use of water jet. Water can be used for cooling of unaffected stock, but avoid the accumulation of polluted run-off from the site. Contain fire control water for later disposal.</p> <p>Product is moderately flammable. For small fires carbon dioxide, dry chemical foam or standard foam. For large fires, use foam or water-fog; avoid use of water jet. Water can be used for cooling of unaffected stock, but avoid the accumulation of polluted run-off from the site. Contain fire control water for later disposal.</p> <p>Water jet, due to contamination risk.</p> <p>Generating poisonous, explosive and corrosive fumes (carbon monoxide and nitrous gases). Keep upwind</p>
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Storage:	Store in original container tightly closed and in an isolated, locked, dry, cool area, well-ventilated area away from foodstuffs, fertilisers, seeds, children, animals and unauthorised persons. Store away from open flames. Do not store next to or nearby foodstuffs and water supplies. Local regulations must be complied with.
8) Exposure Control / Personal Protection:	
<p>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.</p> <p><u>PERSONAL PROTECTIVE EQUIPMENT:</u></p> <p>Clothing:</p> <p>Gloves:</p> <p>Eye protection:</p> <p>Respiratory protection:</p> <p>Emergency eye wash:</p>	<p>Consult supplier to confirm that the equipment is suitable.</p> <p>Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance</p> <p>The use of safety goggles or a face mask is recommended.</p> <p>Handle in well ventilated areas, generally natural ventilation is adequate</p> <p>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.</p>
9) Physical & Chemical Properties:	
<p>Form:</p> <p>Colour:</p> <p>Odour:</p> <p>Odour threshold:</p> <p>pH:</p> <p>Melting point / Freezing point</p> <p>Initial boiling point and boiling range</p> <p>Flash point:</p> <p>Evaporation rate:</p> <p>Flammability (solid, gas)</p> <p>Upper/ lower flammability or explosive limits:</p> <p>Vapour pressure:</p> <p>Vapour density:</p> <p>Relative density:</p> <p>Solubility(ies)</p> <p>Partition coefficient: n-octanol/water</p> <p>Auto-ignition temperature:</p> <p>Viscosity:</p>	<p>Liquid</p> <p>Yellowish / Brown</p> <p>Distinct Benzene odour</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p><40°C</p> <p>No data available</p> <p>Flammable</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Emulsifiable in water</p> <p>No data available</p> <p>No data available</p> <p>No data available</p>
10) Stability & Reactivity:	
Reactivity:	Not available.

Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture Normal combustion forms carbon dioxide, water vapour and toxic hydrogen cyanide. Incomplete combustion can produce carbon monoxide. Protect from direct sunlight, open flames and sources of heat/ignition. Strong acids and oxidizing materials.
11) Toxicological Information:	
Acute: Oral LD50 > 5700 mg/kg, rat Dermal LD50 > 2000mg/kg, rabbit Inhalation LC50 (4h): >5.12 mg/L , rat Skin irritation : Moderate irritant. Eye irritation : Moderate to high irritant, rabbit Sensitisation : Animal test did not cause sensitization. May cause sensitisation during over exposure. Other : N/A	
12) Ecological Information:	
Information below based on active ingredient: Bees: LC50 Contact > 100 µg/bee Birds: Oral: Bobwhite quail, Mallard ducks > 2000mg/kg. Fish : LC50 (96h) : Rainbow trout: > 0.325 mg / lt Algae : EC50 (72 h) for <i>Selenastrum capricornutum</i> : 0.064 mg/ L Worms: LC50 (14d) N/A Other aquatic species: Toxic to <i>Daphnia magna</i> , LC50 (48 h) 0.4 mg/l Persistence: Considered a marine pollutant.	
13) Disposal Considerations:	
Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Refer to the product label for instructions. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE, perforate and flatten. Do not transport if this container is damaged or leaking.	
14) Transportation Information:	
UN Number: 1993 Road transport ADR/RID Class: 9 Packaging group: III Labelling no: 9 Shipping name: FLAMMABLE LIQUID, N.O.S. (Pyriproxyfen) Air transport: ICAO / IATA Class: 9 Packaging group: III Labelling no: 9 Shipping name: FLAMMABLE LIQUID, N.O.S. (Pyriproxyfen) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): NA	

Special precautions: Flammable
Environmental hazard: Yes

Maritime transport: IMDG

Class: 9
Packaging group: III Labelling no: 9
Shipping name: FLAMMABLE LIQUID, N.O.S. (Pyriproxyfen)
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): NA
Special precautions: Flammable
Environmental hazard: Yes

15) Regulatory Information:

Symbols: Xi – Irritant

N - Dangerous for the environment

F: Flammable

Risk – Phrase:

R10 - Flammable

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R41 - Risk of serious damage to eyes

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety – Phrase:

S1/2 -Keep locked up and out of reach of children.

S13 -Keep away from food, drink and animal feeding stuffs.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S60 -This material and its container must be disposed of as hazardous waste.

S61 -Avoid release to the environment. Refer to SDS.

Hazard Statements

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long-lasting effects.

16.Other Information

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 this product. If the recipient subsequently produces formulation(s) 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. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MERIDIAN AGRITECH MAKES NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSES OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANT ABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MERIDIAN AGRITECH (PTY) LTD WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

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For detailed information on revisions, contact the Registration holder.