

Safety Data Sheet

CYPROCIDE WG L9058 (Act 36 of 1947)

Date of issue: 03-06-2011

Date revised: 25-04-2016

1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	CYPROCIDE WG
Other means of identification:	Cyprodinil, Fludioxonil 625 g/kg WG
Recommended use:	Fungicide
Restrictions on use:	Agriculture
UN No:	3077
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL: 011 822-8509 FAX: 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 TYGERBERG:021 931 6129 RED CROSS 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305
2) Hazards Identification:	
Product Classification:	N; R43; R50/53 Full text of phrases; see section 15
Label Elements:	Hazard symbols: N – Dangerous for the environment 
Health effects: eyes:	May cause moderate irritation.
Health effects: skin:	May cause mild irritation and may be harmful.
Health effects: ingestion	May cause irritation and may be harmful.
Health effects: inhalation	May cause irritation and may be harmful in long-term.
3) Composition Details:	
COMPOSITION	Cyprodinil 37.5% Fludioxonil 25%
4) First Aid Measures:	
Inhalation:	Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately if necessary.
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance if irritation persists.
Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance immediately.
Ingestion	

Advice to physician:	Repeatedly administer medicinal charcoal in large quantity of water. NOTE: Do not induce vomiting. No specific antidote known. Treat symptomatically. Prevent aspiration. Administer medicinal charcoal or consider a laxative.
5) Fire-Fighting Measures:	
Flash point: Extinguishing Media: Fire Fighting:	Not highly flammable. Carbon dioxide, dry chemical powder, water or foam. If conditions permit, let the fire burn itself out. Do not use high volume water jet, due to contamination risk. Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Avoid pollution of waterways. May generating poisonous and corrosive fumes. UNUSUAL FIRE OR EXPLOSION HAZARDS: None
Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) Accidental Release Measures:	
Personal precautions: Environmental precautions: Occupational spill:	Avoid fumes and contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8. Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately. Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material, remove by scoop or vacuum. Use approved industrial vacuum cleaner for removal and place in waste containers. Wash area with water and detergent and absorb with further inert material. Heavily contaminated soil layers have to be dug out down to clean soil. If spill does enter waterways contact the local authority. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical.
7) Handling & Storage:	
Handling: Storage:	Avoid skin and eye contact and inhalation of spray mist. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Keep away from children or uninformed persons. Avoid extreme temperatures.
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>Occupational Exposure Limits:</p> <p>Engineering controls:</p> <p><u>PERSONAL PROTECTIVE EQUIPMENT:</u></p> <p>Clothing:</p> <p>Respiratory protection:</p> <p>Gloves:</p> <p>Eye protection:</p> <p>Emergency eye wash:</p>	<p>Not available</p> <p>Not available</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>Wear respirator if ventilation is inadequate or exposure to high levels are likely.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance</p> <p>The use of safety goggles with side shields is recommended.</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:	
Form:	Granules
Colour:	Brown
Odour:	Characteristic
Solubility:	Not Soluble
pH:	8 - 11
<p>Odour threshold:</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>Partition coefficient: n-octanol/water</p> <p>Auto-ignition temperature:</p> <p>Viscosity:</p>	<p>Not available</p> <p>Not available</p> <p>Not applicable</p> <p>Not highly flammable</p> <p>Not available</p> <p>Not highly flammable</p> <p>Not available</p> <p>3.8 x 10⁻⁶ mmHg (Cyprodinil), 2.9 x 10⁻⁹ mmHg (Fludioxonil) @ 25°C</p> <p>Not available</p> <p>0.54 g/cm³</p> <p>Not available</p> <p>Not available</p> <p>Not applicable</p>
10) Stability & Reactivity:	
Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Conditions to avoid:	None known.
Incompatible materials:	None known
Hazardous decomposition product(s):	Can decompose at high temperatures forming toxic gasses.
11) Toxicological Information:	
<p>Oral : LD50 > 5 000 mg/kg, rat.</p> <p>Dermal : LD50 > 2 000 mg/kg, rabbit.</p> <p>Skin irritation: Non Irritant, rabbit.</p> <p>Eye irritation : Non irritant, rabbit.</p> <p>Sensitization : Did not cause sensitization on laboratory animals, guinea pig.</p>	

12) Ecological Information:

Bees : LD50 > 200 µg/bee,
Fish : LC50 (96h) Rainbow trout > 3.1 mg/L.
Algae : ErC50 (72h) > 1.6 mg/L.
Worms : LC50 (14d) > 380 mg/kg soil.

Persistence:

Fludioxonil: Formation of bound residues is the major route for dissipation in soil. Field DT₅₀ c. 14 d and c. 26–54 d after foliar and seed treatment use, resp. In leaching and adsorption/desorption experiments, the compound proved to be immobile in soil. Photolytic DT₅₀ in water is 9–10 d (natural sunlight).

Cyprodinil: In soil, the compound dissipated with DT₅₀ 20–60 d at normal soil humidity and temperature, whereby formation of bound residues represents the major route for dissipation. Leaching and adsorption/desorption experiments show that the compound is immobile in soil. Photolytic DT₅₀ in water 13.5 d.

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 chemicals 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. Do not transport if this container is damaged or leaking.

14) Transportation Information:

UN NUMBER: 3077

Road Transport ADR/ RID:

Class: 9 Miscellaneous Dangerous Goods Packaging

group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyprodinil and Fludioxonil)

Maritime Transport IMDG / IMO:

Road Transport ADR/ RID:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyprodinil 37,5% and Fludioxonil 25%)

15) Regulatory Information: N; R43; R50/53

Symbol(s): Xn – Harmful Xi - Irritant N – Dangerous to the environment

R-phrase(s):

R20/22 - Harmful by inhalation and if swallowed

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

R43 – May cause sensitization by skin contact.

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

S-phrase(s):

S2 - Keep out of reach of children.

S 7 – Keep container tightly closed.

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

S20/21 – When using, do not eat drink or smoke.

S23 - Do not breathe fumes/vapour/spray.

S24/25 - Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

S35 - This material and its container must be disposed of in a safe way.

S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

S46 –If swallowed, seek medical advice immediately and show this container.

S57 - Use appropriate containment to avoid environmental contamination.

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 EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, 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.