

TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

PRECAUTIONS

1. Handle with care. Avoid splashing and contact with eyes, nose and mouth.
2. Poisonous by swallowing, inhalation and contact with skin.
3. WEAR FULL PROTECTIVE CLOTHING i.e. rubber gloves, rubber boots, overalls, hood and respirator when mixing and applying this fungicide.
4. On completion of spraying, remove protective clothing and wash hands and face thoroughly with soap and water. Dispose of the wash water in a safe manner.
5. KEEP APART FROM THE FOOD AND FOODSTUFFS.
6. **DO NOT** eat, drink or smoke while applying this fungicide.
7. KEEP OUT OF THE REACH OF CHILDREN.
8. Dangerous to livestock and domestic pets.
9. **DO NOT** contaminate drinking pools, dams, rivers, waterways and other water supplies.
10. Store in the original container and KEEP UNDER LOCK AND KEY.
11. Very toxic to fish and aquatic organisms.

EMPTY CONTAINER DISPOSAL

Invert the empty container over the spray tank or mixing tank and allow to drain 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 10% of the container. Add the rinsings to the contents of the spray tank. Destroy the empty container by perforation and flattening. Bury away in a designated area or away from water sources. **DO NOT** use for any other purpose. If possible, offer the container for recycling.

DECONTAMINATION OF SPRAYER

Clean applicator thoroughly after use and ensure that all traces of Chlorothalonil 500 SC are removed. Make use of the following method;

- (a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes.
- (b) Fill tank with clean water and add to it 1,0 litre household bleach (Sodium hypochlorite) (5 %) or 1,5 litres of household bleach(3,5 %) per 200 litres of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.
- (c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.

SYMPTOMS OF POISONING:

Eye irritation, loss of muscle coordination, rapid breathing, nose bleeding, vomiting, hyperactivity, dizziness, sweating and skin irritation.

FIRST AID

INGESTION: **DO NOT** induce vomiting. If totally conscious, give large quantities of milk or water to drink. Seek immediate medical attention.

EYE CONTACT: Irrigate with copious amounts of water for 15 minutes. (Eyelids may have to be held open to ensure that the entire surfaces of the eye and lids are rinsed). Seek immediate medical attention if irritation persists.

SKIN CONTACT: Remove contaminated clothing while washing with copious quantities of water and soap for 15 minutes. If skin is irritated, refer for medical advice.

INHALATION: Remove person from contaminated atmosphere to fresh air. If shortness of breath has occurred, give oxygen (if available) and commence resuscitation if necessary. Seek urgent medical attention.

ADVICE TO THE PHYSICIAN:

No specific antidote. Treat symptomatically. Workers exposed to Chlorothalonil during production and use have developed eye irritation and severe skin irritation. Chlorothalonil has caused allergic reactions in some workers. For temporary allergic reactions, treat with antihistamines or steroid creams and/or systemic steroids.

WARRANTY

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label and the occurrence of resistance of disease against the remedy concerned as well as by the method time and accuracy of application. The registration holder, furthermore, does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animals or for lack of performance of the remedy concerned due to failure of the user to follow label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

SHELF LIFE: Two years from date of manufacture if kept in the original unopened container under constant cool and dry conditions.

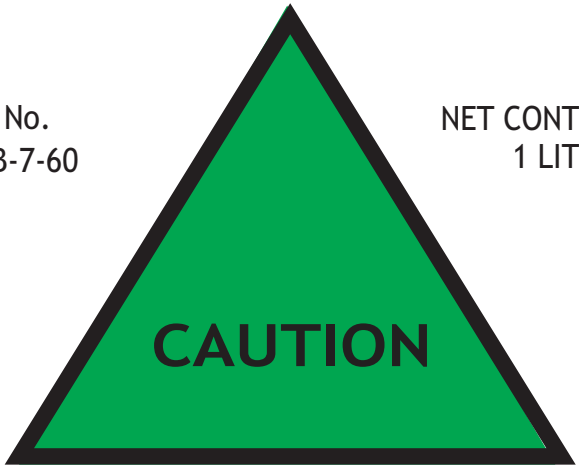
BATCH NUMBER:

DATE OF MANUFACTURE:

CHLOROTHALONIL 500SC
FUNGICIDE

Reg No.
21-B-7-60

NET CONTENT:
1 LITRE



HARMFUL IF SWALLOWED
Composition Mass/Volume
Chlorothalonil.....500g/l

Chemical group: Chloronitrile

A suspension concentrate contact fungicide
for the preventive control of the fungal
diseases mentioned on crops as listed.

Registered and distributed by:

Optimum Agro (Pvt) Ltd
12 Highfield Road, Southerton, Harare
Phone Number 0242774725
Email:sales@optiagro.co.zw



DIRECTIONS FOR USE: Use only as directed.

COMPATIBILITY:

- a) Consult the labels of the products with which Chlorothalonil 500 SC will be mixed with. The onus lies with the user to carry out a compatibility test in the event of any uncertainty.
- b) When Chlorothalonil 500 SC is used in mixtures with other remedies, observe the label **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** as indicated for these pesticides.
- c) **DO NOT** mix with other pesticides unless physical and chemical compatibility has been confirmed.

MIXING INSTRUCTIONS:

- a) Half-fill the spray tank with clean water.
- b) Shake the Chlorothalonil 500 SC container thoroughly immediately before use.
- c) Measure the required volume of Chlorothalonil 500 SC and premix this with at least 10 litres of water.
- d) If any other product is to be tank-mixed with Chlorothalonil 500 SC, pre-mix the required volume of product in similar fashion.
- e) Agitate the water in the spray tank and add the pre-mixed product(s) in the following sequence (as is applicable): adjuvant/acidifier, wettable powder, suspension concentrate, emulsifiable concentrate.
- f) Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences.
- g) Maintain agitation while spraying.
- h) Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

APPLICATION NOTES:

Apply as a full cover preventive spray. Reduce spray intervals under wet, humid conditions and extend under dry conditions up to a maximum of 21 days. **USE A 15-LITRE KNAPSACK SPRAYER.**

CROPS	DISEASE	DOSAGE RATE	APPLICATION REMARKS
Potatoes	Early Blight (<i>Alternaria</i> spp) Late blight (<i>Phytophthora</i> spp)	2l in 100l of water/ha Knapsack: 300ml	Commence preventative spraying when plants start flowering or when first signs of blight are noticed. To delay development of resistance, alternate with fungicides with a different mode of action if problem persists or resurfaces. Apply in at least 500 litres of water to give thorough distribution of spray-mixture on upper and lower leaf sides.
Tomatoes	Early Blight (<i>Alternaria</i> spp) Late blight (<i>Phytophthora</i> spp)	2l in 100l of water/ha Knapsack: 300ml	Follow a spray programme by commencing with a preventive application from flowering or when weather conditions favour the development of the disease. Apply as a full cover spray at up to 2000 litres of spray-mixture per hectare depending on plant height, cultivar and whether plants are trellised or not. Allow an even distribution of spray-mixture on both leaf surfaces. Alternate with a fungicide with a different mode of action if problem persists or resurfaces.
Curcubits	Downy mildew (<i>Pseudoperonospora</i> spp.) Anthracnose (<i>Colletotrichum</i> spp.)	2l in 100l of water/ha Knapsack: 300ml	Apply every 7 to 10 days in not less than 500 litres of water per hectare as a preventive treatment. DO NOT apply more than 3 sprays per season. Alternate with a fungicide with a different mode of action if problem persists or resurfaces. Ensure full coverage of both surfaces of the leaves.
Groundnuts	Leaf spot diseases (<i>Cercospora</i> spp & <i>Phoma arachidicola</i>) and Web blotch	2-2.5l in 100l of water/ha Knapsack: 300-375ml	DRYLAND CROP: Ground application: Low infection: Use 2l/ha. Apply every 10 to 14 days in not less than 500 litres of water per hectare. DO NOT apply more than 3 sprays per season. High infection: Apply every 7 to 10 days in up to 1500 litres of water per hectare, depending on the density of foliage. DO NOT apply more than 3 sprays per season. Alternate with a fungicide with a different mode of action if problem persist or resurfaces. IRRIGATED CROP: Apply every 7 to 14 days in up to 1500 litres water per hectare, according to the directions for application above.

RESISTANCE WARNING:

For resistance management, Chlorothalonil 500 SC is a chloronitrile chemical group fungicide. Any fungus population may contain individuals naturally resistant to Chlorothalonil 500 SC and other chloronitrile group fungicide. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly.

TO DELAY FUNGICIDE RESISTANCE:

- Avoid exclusive repeated use of fungicide from the same fungicide group code. Alternate or tank-mix with products form different fungicide group codes,
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

PRE-HARVEST INTERVALS (PHI):

Allow the following minimum number of days between the last application and harvesting or grazing:
Cucurbits, Potatoes & Tomatoes: 3 days
Groundnuts hay: 42 days