



KEEPER 720 SC

Reg. No. L10677, Act No. 36 of 1947 | Reg. Nr. L10677, Wet Nr. 36 van 1947

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

'n Suspensie konsentraat kontak swamdoder vir die voorkomende beheer van dieswamsiektes vermeld op die genoemde gewasse en sierplante.

FRAC FUNGICIDE GROUP CODE M5

ACTIVE INGREDIENT:

Chlorothalonil (phthalonitrile) 720 g/l

FRAC SWAMDODER GROEPKODE M5

AKTIEWE BESTANDDEEL:

Chlorotalonil (phthalonitriël) 720 g/l

Registration Holder / Registrasiehouer

Sharda International Africa (Pty) Ltd

Co Reg. No. 2010/002268/07

Mpy Reg. No. 2010/002268/07

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BATCH NUMBER
LOT NOMMER

DATE OF EXPIRY
VERVAL DATUM

NET CONTENTS /
NETTO INHOUD

UN No./VN Nr. 3082



CAUTION
VERSIGTIG



WARNINGS:

Allow the following minimum number of days between the last application and harvesting or grazing:

Cruciferae (Brassicas)	14 days
Groundnuts, hay & Bean hay:	42 days

- Handle product with caution.
- Harmful if swallowed and inhaled.
- Severe irritant to eyes.
- Moderate to severe irritant to skin.
- Very toxic to fish and aquatic organisms.
- Store in a cool, dry and well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizer and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- Aerial application: For beans, groundnuts. Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow spray drift to contaminate water or adjacent areas.

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 animal or for lack of performance of the remedy concerned due to failure of the user to follow the 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.

PRECAUTIONS:

- Do not inhale spray mist.
- Avoid skin and eye contact.
- Wear protective clothing, face shield, rubber gloves and rubber boots when preparing the spray mixture.
- In case of accidental eye contact, flush with plenty of water and get medical attention if necessary.
- Wash with soap and water after use and accidental skin contact as well as contaminated clothing.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean application equipment thoroughly after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Triple rinse empty containers in the following manner: Invert the empty container over the spray 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 that of the container. Add the rinsing's to the contents of the spray tank before destroying the container in the described manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- Never re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING:

For resistance management, **KEEPER 720 SC** is a group code M5 fungicide. Any fungus population may contain individuals naturally resistant to **KEEPER 720 SC** and other group code M5 fungicide. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **KEEPER 720 SC** or any other group code M5 fungicide.

To delay fungicide resistance:

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

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: Use only as directed.**Compatibility:**

- When **KEEPER 720 SC** is used in mixtures with other remedies, observe the label WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE as indicated for these remedies.
- Do not mix with other pesticides unless physical and chemical compatibility has been confirmed.
- Consult the supplier for the latest information on the compatibility of **KEEPER 720 SC**.

Mixing Instructions:

- Half-fill the spray tank with clean water.
- Shake the **KEEPER 720 SC** container thoroughly immediately before use.
- Measure the required volume of **KEEPER 720 SC** and premix this with at least 10 litres water.
- If any other product is to be mixed with **KEEPER 720 SC** pre-mix the required volume of product in similar fashion.
- Agitate the water in the spray tank and add the pre-mixed product(s) in the following sequence (as applicable): adjuvant/acidifier, wettable powder, suspension concentrate, emulsifiable concentrate.
- Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences.
- Maintain agitation while spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

General Directions:

- **KEEPER 720 SC** must be applied as a preventive treatment for the control of the diseases mentioned.
- Ensure good coverage of the whole plant (the stems and both surfaces of the leaves) by using enough water and spraying equipment that is capable of maintaining high pressure.
- During wet or humid conditions when the disease pressure is more severe applications must be made more frequently than during drier conditions, but do not exceed 21 day spray intervals.

- Repeat applications if 13 mm or more natural or artificial rain is recorded within 72 hours of an application.

Aerial Application:

Aerial application of may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 to 40 litre per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 50 to 70 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 250 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the **wind speed** exceeds 15 km/h.
- Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.
- Spraying under **temperature inversion conditions** (spraying in or above the inversion layer) and/or **high humidity conditions** (relative humidity 80 % and above) may lead to the following:
 - Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - Damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION DOSAGE RATES:**LAWNS AND TURF**

LAWNS AND TURF Dollar Spot (<i>Sclerotinia homoeocarpa</i> , <i>Rhizoctonia solani</i> & <i>Helminthosporium</i> spp.)	350 ml/100 ℓ water	Preventive treatment: Apply in a spray programme at 7 to 10 day intervals at least 10 litre spray mixture per 100 m ² .
	520 ml/100 ℓ water	Curative treatment: Apply 10 litre spray mixture per 100 m ² twice within seven days and thereafter return to the preventive programme as above.
GROUNDNUTS Leafspot (<i>Cercospora</i> spp. and <i>Phoma arachidicola</i>) & Botrytis rot (<i>Botrytis cinerea</i>)		Apply KEEPER 720 SC as a full cover preventive spray in a regular spray programme. Start application as from middle to late December or about 6 to 10 weeks after planting (or earlier) depending on whether the conditions favour the development of diseases. Do not apply in less than 500 litre water per hectare at a minimum pressure of 500 kPa.
	0,7 ℓ/ha	DRYLAND CROP: Ground application: Low infection: Apply every 10 to 14 days in not less than 500 litre water per hectare.
	1,55 ℓ/ha	High infection: Apply every 7 to 10 days in up to 1500 litre water per hectare, depending on density of foliage.
	1,55 ℓ/ha	IRRIGATED CROP: Ground application: Apply every 7 to 14 days in up to 1500 litre water per hectare, according to the directions for application above.
	1,55 ℓ/ha	Aerial application: Aerial application is not a substitute for tractor application. It should rather be viewed as a contingency measure when tractor applications are impractical due to adverse weather Conditions, e.g. very wet conditions. (Refer to Aerial application under DIRECTIONS FOR USE above for further details.)
CRUCIFERAE (BRASSICAS) White Blister (<i>Albugo candida</i>)	2 ℓ/ha	Apply as a full cover preventive spray every 7 days when the weather favours the disease. Apply in 450 - 700 litre water per ha depending on the growth stage of the plants. Do not make more than two applications per growth cycle.