

# Clortosip<sup>®</sup> 720 SC

Registration No. L7108 Act 36/1947

Registrasie Nr. L 7108 Wet 36/1947

A suspension concentrate contact fungicide for the preventive control of diseases as listed on groundnuts, potatoes, tomatoes, beans, cucurbits, roses, gladioli, lawns and turf.

'n Suspensiekonsentraat kontak swamdoder vir die voorkomende beheer van siektes soos aangedui op grondbone, aartappels, tamaties, bone, pampoengewasse, rose, swaardlelies, grasperke en baangras.

FUNGICIDE GROUP

X

SWAMDODERGROEP

Active Ingredient:  
Chlorothalonil (guanidine)

720g/l

Aktiewe Bestanddeel:  
Chlorotalonil (guanidine)

Registered by:  
Sipcam Southern Africa (Pty) Ltd  
Co.Reg.No. 96/09324/07  
P.O. Box 516, Suider Paarl 7624



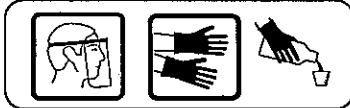
Geregistreer deur:  
Sipcam Southern Africa (Edms) Bpk  
Mpy.Reg.Nr 96/09324/07  
Posbus 516, Suider-Paarl 7624

Clortosip<sup>®</sup> is the registered trade mark of  
SIPCAM S.p.A. Milan, Italy

Clortosip<sup>®</sup> is die geregistreerde handelsmerk van  
SIPCAM S.p.A. Milan, Italië

UN Number 3082

VN Nummer 3082



CAUTION  
VERSIGTIG



Blue band

## WARNINGS:

- Allow the following number of days between last application and harvesting:  
Tomatoes, potatoes, beans and cucurbits – 3 days  
Groundnut hay, bean hay – 42 days when used as fodder
- Irritating the skin, eyes, nose and throat.
- May be harmful when inhaled or swallowed.
- Store in a dry place away from food and feeds.
- Keep out of reach of children, animals and uninformed persons.
- AERIAL APPLICATION:** (Potatoes, Beans and Groundnuts only).  
Notify all inhabitants of the immediate area of the intended application and issue the necessary warnings. Do not spray over or permit drift onto 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, compatibility with other substances not indicated on the label, and the occurrence of resistance of the disease organisms 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:

- Avoid prolonged contact with or inhalation of the liquid or spray mist.
- Wear rubber gloves and face shield when handling concentrates.
- Wash with soap and plenty of cold water if skin is contaminated.
- Avoid contamination of food, feeds, water and eating utensils.
- Rinse empty container three times with a volume of water equal to at least one tenth of that of the container. Add the rinsings to the contents of the spray tank before destroying the empty container. Do not use empty container for any other purpose.

## DIRECTIONS FOR USE: Use only as directed

### Mixing Instructions

Mix the required quantity of CLORTOSIP 720 SC with a small quantity of water and then add the thin paste to the water in the spray tank whilst vigorous agitation is maintained, even when applying.

### Application

Apply as a full cover preventive spray. Ensure complete spray cover of both upper and lower leaf surfaces. Reduce spray intervals under wet humid conditions and extend up to a maximum of 21 days under dry conditions. Repeat application if 13 mm or more rain / overhead irrigation is recorded within 72 hours after application.

**Low infection:** Application using the lower dosage rate may be considered, providing the weather conditions do not favour the development of the disease.

**High infection:** Application using the higher rate should be applied when weather conditions favour the rapid spread of the disease.

All applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of calibration.

### AERIAL APPLICATION: (Potatoes, Beans and Groundnuts only).

CLORTOSIP 720 SC can be applied as an aerial spray provided the spray is spread evenly over the target area and the loss of the spray mixture during application is limited to the minimum. To achieve this it is essential that the following requirements be met.

- Only the conventional spray boom to be used. Spray boom to be fitted with hollow cone nozzles and cores, eg. D10-46 or D12-56
- Adhere strictly to minimum spray volumes per crop.
- A minimum of 20-30 droplets / cm<sup>2</sup> to be sprayed on the target area.
- The spray to have a "VMD" of 200-250 microns.
- Maintain a flight height of 3 meters above the target area at wind speeds of 0 to 8 km/h and 2 meters at wind speeds of 8 to 15 km/h. Stop spraying as soon as the wind speed exceeds 15 km/h.
- The difference between the wet and dry bulb readings, as determined by a swinging hygrometer, should not be more than 8°C.
- Do not spray during the hottest part of the day.
- Ensure that the lands are accurately marked.

## RECOMMENDATIONS:

CROP / DISEASE	DOSAGE	DIRECTIONS FOR APPLICATION
GROUNDNUTS <i>Cercospora, Phoma, Leafspot and Botrytis rot</i>	700 ml / ha	<b>GROUND APPLICATION</b> <b>DRYLAND CROP:</b> Low Infection: Apply as a preventive full cover spray in 500 l of water/ha at a minimum pressure of 500kPa. Apply every 10 - 14 days. High Infection: When weather conditions favour the spread of the disease increase the dosage to 1,55 l / ha. Depending on the amount of foliage apply in 500-1500 l of water/ha. <b>IRRIGATED CROP:</b> In view of the rapid build-up of the disease under intensive production conditions together with the fact that the product acts as a preventive treatment only, treatment should commence in mid to late December i.e. approximately 6-10 weeks after planting, or earlier if conditions favour the disease. Apply as a full cover spray every 7-14 days. Apply, depending on the amount of foliage, in up to 1500 l water / ha at 500 kPa. Do not use less than 1,55 l / ha CLORTOSIP 720 SC on mature plants.
	1,55 l / ha	
	1,55 l / ha	
	<b>AERIAL APPLICATION</b> 1,55 t/ha	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, i.e. excessive rain. With aerial application strict adherence to the following specifications is essential for successful control: <ol style="list-style-type: none"> <li>The narrowest swath width for a particular aircraft should be used.</li> <li>The nozzles within 0,5m of the wing tips must be blocked off and the remainder fitted with D10-46 or D12-56 cone nozzles and cores.</li> <li>The nozzles must be placed 45° under the horizontal facing backwards, i.e. towards the rear of the aircraft.</li> <li>Apply in a minimum of 50 l water/ha.</li> <li>Recommended flying height is 2 - 3m above the crop when prevailing wind speeds do not exceed 10km/h.</li> </ol>
POTATOES Early Blight ( <i>Alternaria</i> ) Late Blight ( <i>Phytophthora</i> )	Commence with a preventive spray programme, normally when the plants come into flower or when conditions favour spread of the disease. Continue application until tubers are ready for lifting.	
	1,05 l / ha	<b>GROUND APPLICATION</b> Low Infection: As above and repeat every 10 days. Apply as a full cover spray in not less than 500 l water/ha. High Infection: As above and repeat application every 5 - 7 days. Apply as a full cover spray in not less than 500-1500 l water/ha depending on the plant size and foliage density.
	1,90 l / ha	
	<b>AERIAL APPLICATION</b> 1,05 l / ha 1,90 l / ha	Low Infection: As above in 30 l water/ha. High Infection: As above in 30 l water/ha.
TOMATOES Early Blight ( <i>Alternaria</i> ) Late Blight ( <i>Phytophthora</i> ) Leafspot ( <i>Septoria</i> ) Botrytis Rot ( <i>Botrytis</i> )	Spray preventatively.	
	105 ml / 100 l water	<b>HIGH VOLUME APPLICATION:</b> Approximately 1000 l spray mixture/ha on mature plants. Low Disease Pressure: Spray interval every 10-14 days. Do not apply less than 1,05 l CLORTOSIP 720 SC / ha on mature plants. High Disease Pressure: Spray interval every 7-10 days. Do not apply less than 1,90 l CLORTOSIP 720 SC / ha on mature plants.
	190 ml / 100 l water	
	210 ml / 100 l water	<b>LOW VOLUME APPLICATION:</b> Approximately 500 l spray mixture/ha on mature plants. Low Disease Pressure: Spray interval every 10-14 days. Do not apply less than 1,05 l CLORTOSIP 720 SC / ha on mature plants. High Disease Pressure: Spray interval every 7-10 days. Do not apply less than 1,90 l CLORTOSIP 720 SC / ha on mature plants.
BEANS Fusil ( <i>Uromyces appendiculatus</i> )	Apply in a spray programme every 7-14 days as a preventive treatment or at the first sign of infection.	
	0,7 - 1,4 l / ha	<b>DRYLAND CROP</b> Ground application: Apply the appropriate dosage rate depending on the growth stage of the crop as a full cover spray in 250 - 500 l water/ha. Aerial application: As above in 30 l water / ha.
	0,7 - 1,4 l / ha	
	1,4 l / ha	<b>IRRIGATED CROP</b> Ground application: Apply as a full cover spray in 250 - 500 l water / ha depending on the growth stage of the crop. Aerial application: As above in 30 l water / ha.
NB: Do not use less than 1,4 l CLORTOSIP 720 SC / ha on irrigated beans.		
CUCURBITS Downy Mildew ( <i>Pseudoperonospora</i> ) Anthracnose ( <i>Colletotrichum</i> )	190 - 380 ml / 100l water	Apply as a preventive spray programme every 7-10 days. Ensure thorough wetting of the underside of the leaves to enhance control of Downy Mildew. Do not apply in less than 500 l water/ha. Use the higher spray concentration mixture under severe disease pressure.
	(1,05 - 1,90 l / ha)	
ROSES	190 ml / 100l water	Apply as a preventive full cover spray programme. Repeat every 7-14 days.
GLADIOLI Botrytis leafspot	190 ml / 100l water	Apply as a full cover preventive spray every 7-14 days when the weather favours the disease. Do not apply during lowering.
LAWNS AND TURF Dollar Spot ( <i>Sclerotinia</i> )	350 ml / 100l water	Preventive treatment: Apply as a spray programme at 7 to 10 day intervals using at least 10 l spray mixture/100 m <sup>2</sup> . Corrective treatment: Apply 10 l spray mixture/100 m <sup>2</sup> twice within seven days