

megacide

Act No. 36 of 1947 / Wet Nr. 36 van 1947
SA Reg. No. L7126

READ ATTACHED PACKAGED LEAFLET BEFORE USE • KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP

M7

FUNGICIDE

PRODUCT INFO:

A soluble concentrated fungicide for the control of postharvest decay in citrus (green and blue mould & sour rot) and tomatoes (Rhizopus- & sour rot).

PRODUK INFO:

'n Oplosbare konsentraat swamdoder vir die beheer van na-oes bederf in sitrus (groen- en blouskimmel & suurvrot) en tamaties (Rhizopus- & suurvrot).



DANGER

HAZARD STATEMENTS:

Harmful if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
Fatal if inhaled.
Causes serious eye damage.
May cause respiratory irritation.
Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Wear protective gloves, protective clothing, eye, and face protection.
In case of inadequate ventilation: Wear respiratory protection.

Active Ingredient / Aktiewe Bestanddeel

Guazatine (guanidine) 210 g/e Guasatien (guanidien)

Net (ℓ) SEE CONTAINER

Registration Holder / Registrasiehouer



ICA International Chemicals (Pty) Ltd. • Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • STELLENBOSCH • 7600 • SOUTH AFRICA
Tel. +27-21 886 9812 • www.icaonline.co.za

Batch No.
Date of Manufacture

SEE
CONTAINER

Lot Nr.
Datum van Vervaardiging

In case of poisoning, call the following number: Human Poison Helpline +27-86 155 5777
Emergency number: Griffon Poison Information Centre +27-82 446 8946

Group III

UN No. / VN Nr. 3082

MCide-002

Megacide

Act No. 36 of 1947

SA Reg. No. L7126

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ACTIVE INGREDIENT:

Guazatine (guanidine) 210 g/l

REGISTERED BY:

ICA International Chemicals (Pty) Ltd., Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • Stellenbosch • 7600 • South Africa
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WARNINGS

Harmful if swallowed
May be harmful in contact with skin
Causes skin irritation
Fatal if inhaled
Causes serious eye damage
May cause respiratory irritation
Toxic to aquatic life with long lasting effects

WITHHOLDING PERIODS (Minimum number of days between last application and consumption):

- ▶ Citrus 0 days
- ▶ Tomatoes 0 days

Compliance with these withholding periods and application methods will ensure that residues do not exceed local maximum residue limits (MRL) but may not meet the import requirements of other countries. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL and recommended withholding periods. Although **Megacide** is regarded as crop-safe on most of the important cultivars, this does not mean that a more sensitive cultivar might be available in future. **Megacide** must be tested on new cultivars prior to usage on large quantities of fruit.

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 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, and the environment or harm to man/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

If medical advice is needed, have product container or label at hand.
Do not breathe mist, vapors and spray.
Wash hands thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye and face protection.
In case of inadequate ventilation: Wear respiratory protection.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Get medical help if you feel unwell.
Specific treatment is urgent see first aid measures.
If swallowed, rinse mouth.
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents and container in accordance with national regulations.

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Offer container for recycling or puncture and dispose of at authorised landfill (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES:

Guazatine (Cas no: 115044-19-4) Acute Oral Toxicity Category 4, H302; Acute Dermal Toxicity Category 4, H312; Skin Irritation Category 2, H315; Serious Eye Damage Category 1, H318; Acute Inhalation Toxicity 2, H330; STOT SE Category 3, H335; Aquatic Acute Category 1, H400; Aquatic Chronic Category 1, H410 (21 % w/v).

FIRST AID TREATMENT

In case of accident or if you feel unwell seek medical advice immediately and show this LABEL where possible.

- INHALATION:**
- Remove the victim from immediate source of exposure. Move victim to fresh air, if it can be done safely, and keep comfortable. If victim's breathing has stopped, perform artificial respiration.
 - Administer oxygen if victim's breathing is difficult or irregular. Get medical help immediately.
- SKIN:**
- Remove and isolate contaminated clothing, shoes, and leather goods and take a shower.
 - Rinse affected areas with non-abrasive soap or mild detergent and large amounts of running water.
 - Wash contaminated clothing before reuse. Get medical help if irritation develops and persists.
- EYES:**
- Rinse eyes cautiously with clean running water for at least 15 minutes, while holding eyelids apart. Remove contact lenses after 5 minutes if present and easy to do. Continue rinsing while holding eyelids apart. Seek medical help if irritation continues.
- INGESTION:**
- If swallowed, rinse mouth, DO NOT induce vomiting, unless instructed to do so by poison control center or doctor.
 - Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.
 - If vomiting does occur, keep on giving fluids. Get medical help.
- NOTE TO PHYSICIAN:**
- There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient.
- POTENTIAL HEALTH EFFECTS:**
- Effects of exposure (inhalation, ingestion, or skin contact) to substance may be delayed.

RESISTANCE WARNING

For resistance management, **Megacide** consists of group code (**M7**) fungicide. Any fungal population may contain individuals naturally resistant to **Megacide** and other group code (**M7**) fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **Megacide** or any other group code (**M7**) fungicides.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes,
- for tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

MODE OF ACTION

Megacide™ is a broad-spectrum contact fungicide with protective action. Guazatine has multi-site activity, inhibiting lipid biosynthesis. Guazatine is in FRAC group M7, generally considered with a low risk for fungicide resistance.

DIRECTIONS FOR USE – use only as directed

COMPATIBILITY:

The compatibility of **Megacide** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. A physical compatibility test must always be performed before such a tank mixture is made.

MIXING INSTRUCTIONS:

- Shake container before use.
- Agitate the solution during the dipping/drenching process.
- Dip ingredients must not be mixed together in concentrated form. Add separately to the full volume of water in the dip tank according to label recommendations.
- To restore the original volume in the dip tank, add required water and then the appropriate amount of **Megacide**.
- Maintain the concentration (1000 ppm) of the solution by using the titration and relevant calculation method (consult your agent).
- Dip/drench should be replaced when dirt begins to accumulate.

APPLICATION RATES			
CROP	DISEASE	DOSAGE	REMARKS
CITRUS Postharvest treatment	Postharvest diseases caused by green mould (<i>Penicillium digitatum</i>), blue mould (<i>Penicillium italicum</i>) and sour rot (<i>Galactomyces citri-aurantii</i> syn. <i>Geotrichum citri-aurantii</i>)	4,8 l/1000 l water (1000 ppm)	Dip/drench freshly washed citrus for not less than 40/120 seconds. Refer to notes below and “GENERAL INSTRUCTIONS”.
TOMATOES	Postharvest diseases caused by sour rot (<i>Geotrichum candidum</i>) and Rhizopus rot (<i>Rhizopus stolonifer</i>)	480 ml/100 l water Plus 6 ml Hygrowet/100 l water (1000 ppm)	For Non-Recirculating Spray Only: Before spraying Megacide , freshly washed fruit should be dry and below 35 °C. Allow fruit to drain thoroughly and dry before packing. Refer to notes below and “GENERAL INSTRUCTIONS”.

BEFORE ANY APPLICATION TAKE NOTE!

- Although **Megacide** is extensively tested and regarded as crop-safe it must be tested on new cultivars before use.
- Do not apply **Megacide** to sensitive citrus fruit since it may result in phytotoxicity of the rind. Various stress factors can lead to sensitive fruit, such as drought, waterlogged soil, nutrient deficiency, frost or extreme cold conditions, extreme fluctuations in temperatures in period before harvest, etc.
- After treatment, citrus fruit **must not** stay wet for long periods since it can result in rind damage.
- Fruit must be dried after treatment or ensure adequate ventilation for drying and avoid excessively moist conditions.

GENERAL INSTRUCTIONS

- Handle fruit (citrus & tomatoes) carefully to minimise potential infection sites caused by injury.
- Ensure diseased fruit is promptly removed from the field and packing house and is destroyed.

3. It is recommended that fruit are first washed and disinfected in a dip tank containing **SPOREKIL**® (L7115) or a chlorine-based disinfectant before being treated with **Megacide**.
4. Dip fruit promptly after harvest.
5. For tomatoes, apply **Megacide** solution as a very fine spray. Apply sufficient spray to wet the entire fruit surface without causing significant run-off.

MCideSA005

Megacide

Wet Nr. 36 van 1947
SA Reg. Nr. L7126

'n Oplosbare konsentraat swamdoder vir die beheer van na-oes bederf in sitrus (groen- en blouskimmel & suurvrot) en tamaties (Rhizopus- & suurvrot).

AKTIEWE BESTANDEDEL:

Guasatien (guanidien) 210 g/l

GEREGISTREER DEUR:

ICA International Chemicals (Pty) Ltd., Reg. Nr. 2001/013319/07
Plankenstraat 28 • Plankenbrug Industrieël • Stellenbosch • 7600 • Suid-Afrika
Tel. +27-21 886 9812 • www.icaonline.co.za

WAARSKUWINGS

Skadelik indien ingesluk
Moontlik skadelik in aanraking met vel
Veroorsaak velirritasie
Dodelik indien ingeasem
Veroorsaak ernstige oogskade
Mag lugwegirritasie veroorsaak
Giftig vir waterlewendes organismes met langdurige gevolge

ONTHOUDINGSPERIODES (Minimum aantal dae tussen laaste toediening en verbruik):

- ▶ Sitrus 0 dae
- ▶ Tamaties 0 dae

Nakoming van hierdie onthoudingsperiodes en toedieningsmetodes sal verseker dat die plaaslike maksimum residu limiete (MRL) nie oorskry word nie, maar mag dalk nie voldoen aan die invoereistes van ander lande nie. Indien die gewas wat behandel gaan word, bestem is vir uitvoer, skakel met die betrokke invoerder of uitvoerliggaam rakende die gebruik van hierdie produk, die MRL en aanbevole onthoudingsperiodes. Alhoewel **Megacide** as gewasveilig beskou word op die meeste belangrike kultivars, beteken dit nie dat 'n meer sensitiewe kultivar in die toekoms op die mark kan kom nie. **Megacide** moet eers getoets word op nuwe kultivars voordat dit op groot volumes vrugte aangewend word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effekte op mens of dier of vir 'n gebrek aan doeltreffendheid, as gevolg van die versuim van die gebruiker om die etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.

VOORSORGMATREËLS

Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
Hou buite bereik van kinders.
Lees sorgvuldig en volg alle instruksies.
Moet nie stuifsel, dampe en spuitstof inasem nie.
Was hande deeglik na hantering. Moet nie aan oë raak nie.
Gebruik slegs buitenshuis of in 'n goed geventileerde area.
Vermyn vrystelling in die omgewing.
Dra beskermende handskoene, beskermende klere, oog- en gesigbeskerming.
In geval van onvoldoende ventilasie: Dra asemhalingsbeskerming.
INDIEN INGESLUK: Kry mediese hulp.
INDIEN OP VEL: Kry mediese hulp.
INDIEN INGEASEM: Neem slagoffer na vars lug en hou gemaklik vir asemhaling. Verkry onmiddellik mediese noodhulp.
INDIEN IN OË: Spoel onmiddellik met water vir etlike minute. Verwyder kontakklense, indien aanwesig en maklik om te verwyder. Hou aan met spoel.
Verkry mediese hulp indien jy ongesteld voel.
Spesifieke behandeling is dringend; sien noodhulp afdeling op hierdie etiket.
Spoel mond uit indien ingesluk.
Indien velirritasie of uitslag ontstaan: Kry mediese hulp.
Trek alle besoedelde klere uit en was dit voor hergebruik.
Maak stortsel bymekaar.
Berg in 'n goed geventileerde plek. Hou houer dig toe.
Berg agter slot en grendel.
Raak ontslae van inhoud en houer volgens nasionale regulasies.

SPOEL DIE LEË HOUER DRIE MAAL SOOS VOLG: Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes totdat die vloei tot 'n gedrup verminder het. Spoel die leë houer drie maal met skoon water gelyk aan 'n minimum van 30 % van die volume van die houer. Voeg spoelwater by die inhoud van die spuittenk. Bied houer aan vir herwinning of perforeer dit en raak daarvan ontslae by 'n gemagtigde opvulterrein (www.croplife.co.za). Moenie die houer begrawe, verbrand of aan enige ander partye skenk wat dit as houer vir voedsel of drinkgoed mag gebruik nie.

RELEVANTE STOWWE:

Guasatien (Cas no: 115044-19-4) Akute Giftigheid Mondelings Kategorie 4, H302; Akute Giftigheid Vel Kategorie 4, H312; Velirritasie Kategorie 2, H315; Ernstige Oogskade Kategorie 1, H318; Akute Giftigheid Inaseming Kategorie 2, H330; Spesifieke Teikenorgaan-giftigheid eenmalige blootstelling Kategorie 3, H335; Waterlewend Akut Kategorie 1, H400; Waterlewend Kronies Kategorie 1, H410 (21 % m/v).

NOODHULPBEHANDELING

Ingeval van 'n ongeluk of as u onwel voel, verkry mediese hulp dadelik en wys ETIKET indien moontlik.

- INGEASEM:**
- Neem die slagoffer weg van die onmiddellike bron van blootstelling. Verskuif die slagoffer na vars lug as dit veilig gedoen kan word en hou gemaklik. Indien die slagoffer ophou asemhaal, pas kunsmatige asemhaling toe.
 - Dien suurstof toe as die slagoffer se asemhaling moeilik of onreëlmatig is. Verkry mediese hulp indien jy ongesteld voel.
- VEL:**
- Verwyder en isoleer besmette klere, skoene en leergoedere dadelik en gaan stort.
 - Spoel aangetaste areas met nieskurende seep of sagwerkende wasmiddel en groot hoeveelhede lopende water.
 - Was besmette klere voor hergebruik. Kry mediese hulp indien irritasie ontwikkel en voortduur.
- OË:**
- Spoel oë versigtig met skoon lopende water vir ten minste 15 minute terwyl die ooglede van mekaar gehou word. Verwyder kontaklense na 5 minute indien aanwesig en maklik om te doen. Hou aan met spoel terwyl ooglede vanmekaar gehou word. Kry mediese hulp indien irritasie voortduur.
- OPNEMING:**
- Indien ingesluk, spoel mond uit, MOENIE vomering aanmoedig nie, tensy deur 'n gifbeheersentrum of dokter aangesê word om dit te doen.
 - Laat persoon slukkies van 'n glas water neem indien in staat om te sluk. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie.
 - Indien vomering plaasvind, hou aan vloeistowwe gee. Kry mediese hulp.
- NOTA AAN GENEESHEER:**
- Daar is nie 'n spesifieke teenmiddel nie. Alle behandeling moet gebaseer word op waargenome tekens en simptome van nood by die pasiënt.
- MOONTLIKE GESONDHEIDSGEVOLGE:**
- Gevolge van blootstelling (inaseming, opneming of velkontak) aan stof kan vertraag wees.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur, **Megacide** is 'n groepkode (M7) swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **Megacide** of enige ander groepkode (M7) swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **Megacide** of enige ander groepkode (M7) swamdoders beheer word nie.

Om weerstand teen swamdoders te vertraag:

- vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende swamdoder groepkodes,
- raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkingsels gemaak word, met produkte in ander swamdoder groepkodes,
- integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoderprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die verskaffer van hierdie produk.

WERKINGSWYSE

Megacide is 'n breëspektrum kontak swamdoder met beskermende werking. Guasatien het 'n meervoudige aktiwiteit, wat lipiedbiosintese inhibeer. Guasatien is in FRAC-groep M7 produk, en word oor die algemeen as 'n lae weerstand swamdoder beskou.

GEBRUIKSAANWYSINGS – gebruik slegs soos aangedui

VERENIGBAARHEID:

Die verenigbaarheid van **Megacide** met ander produkte word bepaal deur die formulasie van die onderskeie produkte asook die kwaliteit van die spuitwater wat gebruik word. 'n Fisiese verenigbaarheidstoets moet altyd uitgevoer word voordat so 'n tenkingsel gemaak word.

MENGINSTRUKSIES:

1. Skud houër voor gebruik.
2. Roer die oplossing tydens dompel/drenk proses.
3. Die konsentraat van produkte wat in dompel/drenk tenk gebruik word moet nie vooraf saam gemeng word nie. Voeg die produkte afsonderlik in 'n vol dompel/drenk tenk volgens elke produk se etiket aanwysings.
4. Wanneer dompel/drenk tenk volume aangevul word, voeg eers verlangde hoeveelheid water by en daarna die korrekte volume **Megacide**.
5. Oplossing in dompel/drenk tenk moet vervang word wanneer debri begin akkumuleer.
6. Hou die konsentrasie van die oplossing by 1000 dpm dmv die titrasie-berekening-metode (raadpleeg u agent).

TOEDIENINGSHOEVEELHEDE

GEWAS	SIEKTE	DOSIS	OPMERKINGS
SITRUS Na-oes behandeling	Na-oes bederf veroorsaak deur groenskimmel (<i>Penicillium digitatum</i>), bloukimmel (<i>Penicillium italicum</i>), en suurvrot (<i>Galactomyces citri-aurantii</i> sin. <i>Geotrichum citri-aurantii</i>).	4,8 l/1000 l water (1000 dpm)	Dompel/drenk skoon gewaste sitrus vir 'n minimum tydperk van 40/120 sekondes. Verwys na nota en "ALGEMENE VOORSKRIFTE" hieronder.
TAMATIES	Na-oes bederf veroorsaak deur suurvrot (<i>Geotrichum candidum</i>) en Rhizopus vrot (<i>Rhizopus stolonifer</i>).	480 ml/100 l water Plus 6 ml Hygrowet/100 l water (1000 dpm)	Vir nie-hersirkulerende spuit applikasie alleenlik: Voordat Megacide™ toegedien word, moet vars skoongewaste vrugte droog en onder 35 °C wees. Laat vrugte goed dreineer en droog word voordat dit verpak word. Verwys na nota en "ALGEMENE VOORSKRIFTE" hieronder.

VOOR ENIGE AANWENDING, NEEM KENNIS!

- Alhoewel **Megacide** deeglik getoets en as gewas-veilig beskou word, moet dit op nuwe kultivars getoets word voor aanwending.
- Moenie **Megacide** op sensitiewe sitrusvrugte aanwend nie aangesien dit kan lei tot fitotoksiteit van die skil. Verskeie stresfaktore kan lei tot sensitiewe vrugte, soos bv. droogte, versuipde grond, voedingstekorte, ryp of uiterste koue toestande, uiterste skommeling in temperatuur in tydperk voor die oes, ens.
- Na behandeling **mag** sitrusvrugte **nie** vir lang periodes nat bly nie, aangesien dit tot skil-skade kan ly.
- Vrugte moet gedroog word na behandeling of voorsien voldoende ventilasie vir droging, vermy uitermatige vogtige toestande wat afdroging vertraag.

ALGEMENE VOORSKRIFTE

1. Hanteer vrugte versigtig om aantal beserings, wat infeksie kan verhoog, te beperk.
2. Verwyder en vernietig bederfde vrugte in die boord en pakhuis.
3. Dit word aanbeveel dat vrugte eers gewas en ontsmet word in 'n dompeltenk wat **SPOREKILL**® (L7115) of 'n chloor bevattende saniteerder bevat, voor **Megacide** behandeling.
4. Behandel vrugte so spoedig moontlik na oes.
5. Vir tamaties dien **Megacide** oplossing as 'n baie fyn sproei toe. Dien genoeg toe om die hele vrugoppervlak te benat sonder om oortollige afloop te veroorsaak.

MCideSA005