TopPhite 605 SL

Act No. 36 of 1947 / Wet Nr. 36 van 1947
SA Reg. No. L12039

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

GROUP	P 07	FUNGICIDES

PRODUCT INFO:
A water-soluble liquid systemic fungicide for the management of postharvest decay in citrus.

PRODUK INFO:
'n Wateroplosbare vloeistof sistemiese swamdoder vir die bestuur van na-oes bederf in sitrus.



WARNING

HAZARD STATEMENTS:
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:
Wear protective gloves, protective clothing, eye and face protection.
Wash hands and exposed skin thoroughly after handling.

Active Ingredients / Aktiewe Bestanddele

Potassium Phosphite	605 g/ℓ	Kaliumfosfiet
(*Phosphorous acid equivalent*	*400 g/ℓ*	*Fosforigsuur ekwivalent*)

Net (ℓ) SEE CONTAINER

Registration Holder / Registrasiehouer

ICA INTERNATIONAL CHEMICALS (PTY) LTD

What is GHS?

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 Expiry Date	**SEE CONTAINER**	Lot Nr. Datum van Vervaardiging Vervaldatum

In case of poisoning, call the following number: Human Poison Helpline +27-861 555 777
Emergency number: Griffon Poison Information Centre +27-82 446 8946

UN No. Not classified

SA-PKTP-001

TopPhite 605 SL

Act No. 36 of 1947
SA Reg. No. L12039

A water-soluble liquid systemic fungicide for the management of postharvest decay in citrus.

ACTIVE INGREDIENT:
Potassium phosphite ..... 605 g/ℓ
(*phosphorous acid equivalent ..... 400 g/ℓ*)

REGISTERED BY:
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

WARNINGS

Causes serious eye irritation

WITHHOLDING PERIODS (Minimum number of days between last application and harvest): Not applicable for postharvest use.

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 waiting periods. Although **TopPhite 605 SL** 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. **TopPhite 605 SL** must be tested on new cultivars prior to usage.

RE-ENTRY INTERVAL: Do not handle wet fruit without gloves.

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

Wear protective gloves, protective clothing, eye and face protection.
Wash hands and face thoroughly after handling. Do not touch eyes.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical help.
Collect spillage.
Dispose of contents and container in accordance with national regulations.

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds until the flow has slowed down to a drip. Thereafter, rinse the empty container three times in succession with one quarter of the container volume with fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (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:
Monopotassium phosphite (Cas no: 13977-65-6) Eye Irritation Category 2, H319 (50 - 60 % w/v).
Dipotassium phosphite (Cas no: 13492-26-7) Eye Irritation Category 2, H319 (5 - 10 % 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.
SKIN:	Remove and isolate contaminated clothing, shoes, and leather goods immediately and take a shower. Rinse affected areas (skin) immediately 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 IMMEDIATELY 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, 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, ACUTE AND DELAYED:	Effects of exposure (inhalation, ingestion, or skin contact) to substance may be delayed.

RESISTANCE WARNING

For resistance management: TopPhite 605 SL is a FRAC group code (**P07**) fungicide. Any fungal population may contain individuals naturally resistant to **TopPhite 605 SL** and other FRAC group code (**P07**) fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **TopPhite 605 SL** or any other FRAC group code (**P07**) fungicides.

To prevent or 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 individual product labels.
- Integrate other forms of control methods (chemical, cultural, biological) into disease control programmes.
- For specific information on resistance management contact the registration holder of this product or contact your local supplier.
- In order to maintain the efficacy of **TopPhite 605 SL**, it is necessary to prevent the development of resistance of the pathogens against the (**P07**) fungicide group.
- Adhere to the dosage rates recommended on the label, do not reduce dosage rate.

MODE OF ACTION

Phosphonates are known to exert direct toxicity against plant pathogens, thereby reducing pathogen populations, while also promoting the natural defence mechanisms of plants.

USE RESTRICTIONS

Consult the product labels for **USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS** and **DIRECTIONS FOR USE.**

DIRECTIONS FOR USE – use only as directed

COMPATIBILITY:

The compatibility of **TopPhite 605 SL** with other products depends on the formulations of the respective products as well as the quality of the treatment water to be used. It is possible that formulations may change from time to time. It is therefore recommended that a small-scale physical compatibility test be done prior to the tank mixture being made. Always consult the labels of products to be tank mixed with **TopPhite 605 SL. TopPhite 605 SL is NOT compatible with peracetic acid containing sanitisers.**

TopPhite 605 SL is compatible with the following products, according to label recommendations:

- Ecotizer (Act 36 of 1947, Reg. No. L11446) (Ecotizer must first be mixed, then **TopPhite 605 SL** can be added. If reverse order is used, physical incompatibility occurs and severe oiling out is observed).
- Protector 400 SC (Act 36 of 1947, Reg. No. L8606)
- Tutor 500 SC (Act 36 of 1947, Reg. No. L9948)
- CitriCure (Act 36 of 1947, Reg. No. L6739)

MIXING INSTRUCTIONS:

Application in water: Half fill the tank with clean water. Shake the **TopPhite 605 SL** container thoroughly immediately before use and pre-mix the required volume in at least 10 ℓ water. Pre-mix any other product(s) to be mixed with **TopPhite 605 SL** in the same way *separately*. While agitating the water, add the pre-mixed product(s) in the following sequence: wettable powders, water dispersible granules, suspension concentrates, emulsifying concentrates and soluble concentrates last. Top up the tank with the required quantity clean water whilst agitating. Agitate constantly before and during application to prevent settling of the product(s). Clean all equipment thoroughly after use and dispose of wastewater without polluting the environment.

APPLICATION TABLE

CROP and DISEASE	DOSAGE	REMARKS
CITRUS **POSTHARVEST** (fruit) **Suppression of:** **Green mould** (*Penicillium digitatum*) **Suppression of:** **Sour rot** (*Galactomyces citri-aurantii*)	1000 mℓ / 100 ℓ	*High Volume Treatment:* ▸ Treat fruit for approximately 120 seconds. ▸ Do not rinse fruit after treatment. Dry fruit after treatment, do not pack or store wet fruit. ▸ It is important to treat the fruit as soon as possible after harvest. ▸ **TopPhite 605 SL is NOT compatible with peracetic acid containing sanitisers.**
Suppression of: **Phytophthora brown rot** (*Phytophthora nicotianae*)	250 mℓ / 100 ℓ	

Consult the product labels for **USE RESTRICTIONS**, **WARNINGS** (including RESISTANCE WARNINGS), **PRECAUTIONS** and **DIRECTIONS** FOR USE.

TopPhite 605 SL

Wet Nr. 36 van 1947
SA Reg. Nr. L12039

'n Wateroplosbare vloeistof sistemiese swamdoder vir die bestuur van na-oes bederf in sitrus.

AKTIEWE BESTANDDEEL:
Kaliumfosfiet ..... 605 g/ℓ
(Fosforigsuur ekwivalent ..... 400 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

Veroorsaak ernstige oogirritasie

ONTHOUDINGSPERIODES (Minimum aantal dae tussen laaste toediening en oes): Nie van toepassing vir na-oes gebruik nie.

Nakoming van hierdie onthoudingsperiodes en gebruiksaanwysings sal verseker dat die plaaslike maksimum residu limiete (MRL) nie oorskry word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel gaan word bestem is vir uitvoer, raadpleeg die betrokke in- of uitvoerder rakende die gebruik van hierdie produk, die MRL en aanbevole onthoudingsperiodes. Alhoewel **TopPhite 605 SL** as gewasveilig beskou word op meeste van die belangrike kultivars, beteken dit nie dat 'n meer sensitiewe kultivar in die toekoms op die mark kan kom nie. **TopPhite 605 SL** moet eers op nuwe kultivars getoets word voordat dit oor groot areas aangewend word.

HERBETREDINGSINTERVAL: Moenie nat vrugte hanteer sonder handskoene nie.

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 klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siekte 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 gevolge 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.

VOORSORGMAATREËLS

Dra beskermende handskoene, beskermende klere, oog- en gesigbeskerming.
Was hande gesig deeglik na hantering. Moet nie aan oë raak nie.
INDIEN IN OË: Spoel versigtig met water vir etlike minute. Verwyder kontaklense indien aanwesig en maklik om te verwyder. Hou aan met spoel.
Indien oogirritasie voortduur: Verkry mediese noodhulp.
Vermy vrystelling in die omgewing.
Raak ontslae van inhoud en houer in ooreenstemming met 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 daarna die leë houer drie keer uit met vars water, teen 'n kwart van die houer se volume, en giet die spoelwater in die spuit- of mengtenk. Kap gate in die drie keer gespoelde houer, waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (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:
Monokaliumfosfiet (Cas nr: 13977-65-6) Oogirritasie Kategorie 2, H319 (50 - 60 % m/v).
Dikaliumfosfiet (Cas nr: 13492-26-7) Oogirritasie Kategorie 2, H319 (5 - 10 % m/v).

NOODHULPBEHANDELING

In geval van 'n ongeluk of as jy onwel voel, verkry onmiddellik mediese advies en wys hierdie ETIKET waar moontlik

INASEMING:	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.
VEL:	Verwyder en isoleer besmette klere, skoene en leergoedere dadelik en stort. Spoel aangetaste areas (vel) onmiddellik 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 ONMIDDELLIK met skoon lopende water vir ten minste 15 minute terwyl die ooglede vanmekaar gehou word. Hou aan spoel terwyl ooglede van mekaar gehou word. Kry mediese hulp indien irritasie voortduur.
OPNEMING:	Indien ingesluk, MOENIE vomering induseer nie, tensy 'n gifsentrum of dokter opdrag gee om dit te doen. Spoel mond uit en laat die persoon slukkies water neem indien dit moontlik is om te sluk. Moet nooit iets per mond aan 'n bewustelose persoon gee nie. Indien die persoon wel vomeer, hou aan om vloeistowwe te gee. Verkry dadelik mediese hulp.
NOTA AAN GENEESHEER:	Daar is geen spesifieke teenmiddel nie. Alle behandeling moet gebaseer wees op waargenome tekens en simptome van nood by die pasiënt.

MOONTLIKE GESONDHEIDSGEVOLGE, AKUUT EN VERTRAAGD: Effek van blootstelling (inaseming, inname of velkontak) kan vertraag wees.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur: TopPhite 605 SL is 'n FRAC-groepkode (**P07**) swamdoder. Enige swampopulasie kan individue bevat wat natuurlik weerstandig is teen **TopPhite 605 SL** en ander FRAC-groepkode (**P07**) swamdoders. Die weerstandige individue kan uiteindelik die hele swampopulasie oorheers indien hierdie swamdoders herhaaldelik gebruik word. Hierdie weerstandige swamme sal moontlik nie deur **TopPhite 605 SL** of enige ander FRAC-groepkode (**P07**) swamdoders beheer word nie.

Om swamdoderweerstand te voorkom of te vertraag:

- Vermy eksklusiewe herhaalde gebruik van swamdoders uit dieselfde swamdodergroepkodes. Wissel af of tenkmeng met geregistreerde produkte uit verskillende swamdodergroepkodes.
- Vir tenkmengsels of afwisseling met produkte uit ander swamdodergroepkodes, verwys na die individuele produk-etikette.
- Integreer ander vorme van beheermetodes (chemies, kultureel, biologies) in siektebeheerprogramme.
- Vir spesifieke inligting oor weerstandsbestuur, kontak die registrasiehouer van hierdie produk of u plaaslike verskaffer.
- Om die doeltreffendheid van **TopPhite 605 SL** te handhaaf, is dit noodsaaklik om die ontwikkeling van weerstand by die patogene teen die (**P07**) swamdodergroep te voorkom.
- Hou by die doserings wat op die etiket aanbeveel word, MOENIE die doserings verminder nie.

WERKINGSWYSE

Fosfonate het 'n direkte toksiese werking teen plantpatogene en veroorsaak populasie vermindering. Dit stimuleer ook die natuurlike verdedigingsmeganismes van die plant.

GEBRUIKSBEPERKINGS

- Raadpleeg die betrokke etikette vir **GEBRUIKSBEPERKINGS**, **WAARSKUWINGS** (**insluitend WEERSTANDSWAARSKUWING**), **VOORSORGMAATREËLS** en **GEBRUIKSAANWYSINGS**.
- **VIR ALLE GEWASSE EN SIEKTES MOENIE MEER AS DIE AANBEVELE MAKSIMUM TOPPHITE 605 SL TOEDIENINGS PER SEISOEN OORSKRY NIE.**

GEBRUIKSAANWYSINGS – gebruik slegs soos aangedui

VERENIGBAARHEID:

Die verenigbaarheid van **TopPhite 605 SL** met ander produkte hang af van die formulasie van die onderskeie produkte asook die kwaliteit van die spuitwater wat gebruik word. Dit is moontlik dat formulasies van tyd tot tyd kan verander. Dit word daarom aanbeveel dat 'n kleinskaalse fisiese verenigbaarheidstoets gedoen word voordat die tenkmengsel gemaak word. Raadpleeg altyd die etikette van produkte wat met **TopPhite 605 SL** gemeng gaan word. **TopPhite 605 SL is NIE verenigbaar met perasynsuur-bevattende saniteerders nie**.

TopPhite 605 SL is met die volgende produkte verenigbaar, volgens die etiketaanbevelings:

- Ecotizer (Wet 36 van 1947, Reg. Nr. L11446) (Ecotizer moet eerste gemeng word, daarna kan **TopPhite 605 SL** bygevoeg en opgelos word. Wanneer die omgekeerde volgorde gevolg word, word fisiese onverenigbaarheid waargeneem en olie sal sigbaar wees).
- Protector 400 SC (Wet 36 van 1947, Reg. Nr. L8606)
- Tutor 500 SC (Wet 36 van 1947, Reg. Nr. L9948)
- CitriCure (Wet 36 van 1947, Reg. Nr. L6739)

MENGINSTRUKSIES:

Toediening in water: Maak mengtenk halfvol met skoon water. Skud die **TopPhite 605 SL** houer deeglik voor gebruik en meng die aanbevole hoeveelheid vooraf in ten minste 10 liter water. Meng enige ander produk wat met **TopPhite 605 SL** gemeng moet word, vooraf *afsonderlik* op dieselfde wyse. Terwyl mengtenk geroer word voeg die vooraf gemengde produkte in die volgende volgorde by: benatbare poeiers, water oplosbare korrels, suspensie konsentrate, emulsifiseerde konsentrate en oplosbare konsentrate laaste. Vul mengtenk met skoon water tot by verlangde vlak terwyl voortdurend geroer word. Hou aan om voortdurend te roer voor en tydens toediening om uitsakking van die produk(te) te voorkom. Maak alle toerusting deeglik skoon na gebruik en doen weg met die afvalwater sonder om die omgewing te besoede.

TOEDIENINGSTABEL

GEWAS en SIEKTE	DOSIS	AANBEVELINGS
SITRUS **NA-OES** (vrugte) **Onderdrukking van:** **Groenskimmel** (*Penicillium digitatum*) **Onderdrukking van:** **Suurvrot** (*Galactomyces citri-aurantii*)	1000 mℓ / 100 ℓ	*Hoë Volume Behandeling:* • Behandel vrugte vir ongeveer 120 sekondes. • Moenie vrugte na behandeling spoel nie. Droog vrugte na behandeling en moenie nat vrugte verpak of opberg nie. • Dit is belangrik om vrugte so gou as moontlik na-oes te behandel. • **TopPhite 605 SL is NIE verenigbaar met perasynsuur-bevattende saniteerders nie.**
Onderdrukking van: **Phytophthora bruinvrot** (*Phytophthora nicotianae*)	250 mℓ / 100 ℓ	

Raadpleeg die individuele produketikette vir **GEBRUIKSBEPERKINGS**, **WAARSKUWINGS** (insluitend **WEERSTANDWAARSKUWINGS**), **VOORSORGMAATREËLS** en **GEBRUIKSAANWYSINGS**.