

Main Panel

DATATHION 500 EC

Reg. No./Nr L 828, Act No. / Wet Nr 36 of / van 1947
Botswana: Reg. No./Nr, W130554, Act No. 18 of 1999
Namibian Reg. No./Namibiese Reg Nr. N-AR 2060

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

An emulsifiable concentrate stomach and contact insecticide for the control of pests as listed on aloes, apples and pears, apricots, peaches, plums, beans, citrus, cruciferae, cucurbits, flowers, ornamentals, grazing, lucerne, maize, wheat, mushrooms, onions, grain sorghum, sub-tropical fruits, stone and pome fruit, bananas, papayas, granadillas, avocados, tomatoes, household pests in and around dwelling and poultry runs.

'n Emulgeerbare konsentraat maag- en kontakinsekdoder vir die beheer van plae soos aangedui op aalwyne, appels en pere, appelkose, perskes, pruime, bone, sitrus, koolgewasse, pampoengewasse, blomme, sierplante, weiding, lusern, mielies, koring, sampioene, uie, graansorghum, subtropiese vrugte, steen- en kernvrugte, piesangs, papajas, grenadellas, avokado's, tamaties, huishoudelike plae in en by leefruimtes en hoenderhokke.

GROUP/GROEP

1B

INSECTICIDE/INSEKODER

ACTIVE INGREDIENT:

Mercaptothion (organophosphate)..... 500 g/l.....Merkaptotien (organofosfaat)

AKTIEWE BESTANDDEEL:

Net Volume



Netto Volume



DANGER

GHS Hazard Statements

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements

Do not handle until all safety precautions have been read and understood.
Do not breathe mist, vapours or spray.



REGISTRATION HOLDER / REGISTRASIEHOUER:

Nulandis® (A division of AECI Limited)/ Nulandis® ('n Afdeling van AECI Beperk)

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.aeciph.com/www.aeciworld.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL ;
0861 555777 / 082 446 8946

Batch No:

Lotnommer:

DATE OF MANUFACTURE:

VERVAARDIGINGSDATUM:

UN No. / VN Nr. 3082 ENVIRONMENTAL HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Malathion, hydrocarbons)

Pamphlet

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WARNINGS:

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Causes skin irritation.

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Very toxic to aquatic life with long lasting effects.

ALLOW THE FOLLOWING NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVESTING.

IF THE CROP TO BE TREATED IS INTENDED FOR EXPORT, CONSULT THE RELEVANT EXPORTING ORGANISATION REGARDING WITHHOLDING PERIODS. IN THE CASE OF CROPS GROWN FOR LOCAL CONSUMPTION ALLOW THE FOLLOWING WITHHOLDING PERIODS BETWEEN LAST SPRAY APPLICATION AND HARVESTING :-

Citrus, Lucerne, Papayas, Granadillas, Beans, Cruciferae, Grazing, Maize, Wheat, Onions, Grain Sorghum, Avocados and Cucurbits	7 Days
Apples, Pears, Peaches, Plums, Apricots, Bananas	10 Days
Mushrooms and Tomatoes	1 Day

Do not use where milk is processed or stored.

Keep out of reach of children, uninformed persons and animals.

Store in a cool place, away from food and feeds.

Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poisoning – CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM.

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 PESTS TO 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:

GHS Precautionary Statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe mist, vapours or spray.

Wash thoroughly after handling.

Wear protective gloves, protective clothing, eye protection & face protection.

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice.

Call a POISON CENTRE/doctor if you feel unwell.

Dispose of contents/container to destined disposal area in accordance to local regulation.

Wash with soap and cold water after use.

Prevent contamination of food, feed, drinking water and eating utensils.

Prevent spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean applicator thoroughly before re-using and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

Triple rinse the empty container: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume 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:

Substance (IUPAC/EC)	name	Concentration % by weight	Classification
			EC1272/2008
Malathion		50-53%	Acute toxicity oral (Category 4). Skin sensitizer (Category 1). Aquatic acute 1. Aquatic chronic 1. M=1000
Solvent	naphtha (petroleum)	40-50%	Aspiration hazard (Category 1).
Calcium benzene sulphonate	dodecyl	1-10%	Acute toxicity oral (Category 4). Skin irritation (Category 2). Serious eye damage (Category 1).
Naphthalene		1-5%	Acute toxicity oral (Category 4). Carcinogenicity (Category 2). Aquatic acute 1. Aquatic chronic 1.
1,2,4-Trimethyl benzene		<5%	Flammable liquid (Category 3). Acute toxicity oral (Category 4). Skin irritation (Category 2). Eye irritation (Category 2). STOT SE 3. Aquatic chronic 2.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **DATATHION 500 EC** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

FIRST AID:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

In case of ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

NOTE TO PHYSICIAN:

Treat symptomatically. Potential for chemical pneumonitis.

RESISTANCE WARNING:

For resistance management, **DATATHION 500 EC** is a Group Code 1B insecticide. Any insect population may contain individuals naturally resistant to **DATATHION 500 EC** and other Group Code 1B insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **DATATHION 500 EC** or any other Group Code 1B insecticides.

Since the presence of resistant insects is difficult to detect prior to insecticide application, it is of the utmost importance that treated areas be inspected at regular intervals to identify the occurrence of insecticide-resistant insects timeously. Nulandis will not accept liability for performance failures in the event of a build-up of resistant insects resulting from inadequate resistance management practices as indicated on the label.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide Group Code. Alternate or tank mix with products from different insecticide Group Codes.
- Integrate other control methods [chemical, cultural, biological] into insect control programmes.

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

MODE OF ACTION:

The mode of action for Mercaptothion (organophosphate) is by acting as Acetylcholinesterase (AChE) inhibitor.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

FOR FLY CONTROL IN BUILDINGS AND KRAALS:

Use 1 ℓ **DATATHION 500 EC** per 10 ℓ water.

Spot spray throughout to wet walls, ceilings and other places where flies congregate. Residual action lasts 10-14 days, after which spraying must be repeated. As a Bait Spray add 200 g sugar and 150 ml **DATATHION 500 EC** /10 ℓ water.

POULTRY RUNS:

Kills red mites and fleas in Poultry runs. Use 300 ml /10 ℓ water and spray perches, walls, nesting material, woodwork, thoroughly. Before spraying remove all feed from troughs. Also remove and burn all hay and litter to prevent re-infestation. Wash feeding troughs after treatment. Repeat treatment after one month.

APPLICATION TABLE:

CROPS	PEST	DOSAGE PER 100 ℓ WATER OR AS INDICATED	REMARKS
Aloes	Scale	250 ml	Apply as soon as pest is noticed. Repeat when necessary.
Apples, Pears	Woolly aphid	125 ml	Apply as a full cover spray as soon as pest is noticed. Repeat when necessary.
Apricots, Peaches, Plums, Apples, Pears	Aphids, Bryobia mite, Mealy bug	125 ml	Apply as a full cover spray as soon as pests are noticed. Repeat when necessary.

Beans	Aphids	125 ml	Apply as a full cover application as soon as pests are noticed and repeat when necessary.
	CMR Beetles	250 ml	
Citrus	Mussel scale	300 ml	PREVENTATIVE SPRAY: Spray at 80-100% petal drop.
	Thrips	175 ml	For light infestation only.
	Mealy bug	125 ml	Spray mature trees once and young trees twice between August and Mid-December
	Soft brown scale	300 ml	Corrective treatment: Spray when infestation is noted. Apply if possible, on a spot spray basis.
Cruciferae	Greater cabbage moth, Diamond-back moth (larvae)	250 ml	Apply as a full cover spray when infestation is noticed and pay special attention to underside of leaves. Repeat when necessary.
Curcubits	Pumpkin flies	Bait: 175 ml + 8 kg sugar / 100 l water	Apply as a coarse droplet spray at 35-40 l/ha to underside of foliage. Repeat application weekly and after rain.
Flowers and ornamentals	Short-horned grasshoppers	250 ml	Apply as a full cover spray.
	Red scale	250 ml	Apply as a full cover spray.
	Aphids, Spotted Maize beetle	125 ml	Apply as a full cover spray when pest is noticed and repeat when necessary.
	Red spider mite	250 ml	Apply as a full cover spray. Repeat 2-3 times at 10 day intervals. NB: Will not control organophosphate resistant mites.
	Soft brown scale	250 ml	Apply as a full cover spray. Ant control will assist towards control of the pest.
	Thrips	175 ml	Thoroughly wet plants. Apply at weekly intervals
	CMR beetles	250 ml	Apply when beetles are noticed. Repeat when necessary.
	Mealy bug	125 ml	Apply when pest is noticed. Ant control will assist towards the control of the pest.
Grazing	Army worm	600 - 1 250 ml/ha 6–12,5 ml/100 m ²	Apply using sufficient water directly to the pest. Dosage depends on stage of development of the caterpillars and foliage density.
Lucerne	Earth flea	150 ml/ha 1,5 ml/100 m ²	Apply when pest is noticed and make 2 treatments at 3 week intervals.
Maize, Wheat	Army worm, Lesser army worm	600 -1 250 ml/ha	Apply as a full cover spray when infestation is noticed in sufficient water. Dosage is dependent on the size of caterpillars and the stand of crop.
Mushrooms	Fungus gnats	150 ml	Apply as a full cover spray. Repeat as necessary after picking.
Onions	Thrips	175 ml	Apply at first sign of infestation. Repeat at 10 day intervals. DO NOT USE ON SPRING ONIONS.
Grain Sorghum	Spotted maize beetle	125 ml (2 l/ha)	Apply as a full cover spray.

CROP	PEST	DOSAGE PER 100 ℓ WATER	REMARKS
Stone and Pome fruit, Citrus and Sub-tropical fruit	Fruit fly	Bait: 175 mℓ + 8 kg sugar or protein hydrolysate as per instruction	Bait: Apply at weekly intervals to foliage as a coarse droplet spray at a rate of 250 mℓ - 1 ℓ /tree when fruit becomes susceptible to attack. Apply in winter to evergreen trees on warm sunny days to reduce over-wintering population. Repeat after rain.
Bananas	Thrips	175 mℓ	Apply as a full cover spray as soon as pests are noticed. Repeat when necessary.
	Aphids	125 mℓ	
Papayas	Aphids	125 mℓ	Apply as a full cover spray as soon as pest is noticed. Repeat when necessary.
Granadillas	Thrips	175 mℓ	Apply as a full cover spray as soon as pests are noticed. Repeat when necessary.
	Soft scale, Mealy bug, Circular purple scale, White scale	250 mℓ	
Avocados	Soft brown scale, Thrips	250 mℓ	Apply as a full cover spray as soon as pests are noticed. Repeat when necessary.
Tomatoes	Aphids	125 mℓ	Apply as a full cover spray. Apply when pests are noticed and repeat application when necessary.
	Thrips	175 mℓ	
Household pests	Carpet beetles, Ants, Cockroaches, Bed bugs, Fleas, Flies, Mosquitoes, Fish moths	300 mℓ/10 ℓ water	Coarse spray or brush onto surface.

