

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Adjuvant

VILLA 51



Reg. No. L 8050 Act No. 36 of 1947
W 130454 / N-AR 1090

6: 14/7/2022 – Nov2022

A surfactant that increases the wetting and spreading properties of spray solutions and enhances the activity of various pesticides.

ACTIVE INGREDIENT

isotridecanol 918 g/l
(alkylpolyethylene glycol ether)

GROUP

ADJUVANT



WARNING

Hazard Statements:

Very toxic to aquatic life.
Harmful to aquatic life with
long lasting effects.

Precautionary statements:

Avoid release to the environment.
Collect spillage.
Dispose of contents/container in
accordance with local regulations.



villa



UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
PO Box 801, Kempton Park, 1620
Tel. (011) 396 2233
Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946
24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:
Date of Manufacture:

VILLA 51

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isotridecanol (alkylpolyethylene glycol ether) 918 g/l

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WARNINGS**Hazard statements:**

Very toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

- Adhere to all label warnings that apply to the product or products, with which **VILLA 51** is to be used.
- Store in a cool, dry, well-ventilated place.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Adhere to the re-entry interval and requirements as indicated on the herbicide label.

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. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, the occurrence of resistance of the weeds/diseases/insects against the product concerned, as well as by the method, time and accuracy of application. The registration holder further 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**Precautionary statements:**

Avoid release to the environment.
Collect spillage.
Dispose of contents/container in accordance with local regulations.

- Wear protective clothing, overalls, rubber boots and gloves when handling the product.
- Wash contaminated clothing after use.
- Wash thoroughly with soap and water after use and after accidental skin contact.
- In the case of eye contact flush eyes with copious amounts of water for at least 15 minutes.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Thoroughly clean the applicator after use and dispose of wash water where it will not contaminate the environment, food, grazing and water sources.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** 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.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Isotridecanol, ethoxylated	918 g/l

SYMPTOMS OF HUMAN POISONING

VILLA 51 is an alkylpolyethylene glycol ether, which is based on isotridecanol. Symptoms of poisoning may include respiratory insufficiency, shock, pulmonary oedema, arrhythmias and hypovolaemia. Prolonged inhalation of vapours may cause drowsiness and dizziness.

FIRST AID TREATMENT

- Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure.
- **Inhaled:** Move the victim to fresh air or remove source of contamination. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Qualified personnel should perform administration of oxygen. Obtain medical attention if irritation persists.
- **Skin contact:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eye contact:** Flush eyes with clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses and continue rinsing. Obtain medical attention if irritation persists.
- **Swallowed:** Do not induce vomiting. If swallowed, rinse mouth thoroughly with water and give up to 200 ml (5 ml/kg recommended) water for dilution where patient is able to swallow, has a gag reflex and does not drool. If vomiting occurs, keep head below hips to maintain open airway and prevent aspiration. Establish and maintain airway. **Never** give anything by mouth to an unconscious person. Seek medical advice.

NOTE TO PHYSICIAN

To treat poisoning by higher aliphatic alcohols administer gastric lavage with copious amounts of water. It may be beneficial to instil 60 ml of mineral oil into the stomach. Administer oxygen and artificial respiration as needed. To protect the liver, maintain carbohydrate intake by intravenous infusions of glucose. For advanced treatment, refer to the SDS (available at the website www.villacrop.co.za).

PRODUCT PROPERTIES

- **VILLA 51** reduces the surface tension of spray droplets and in this way increases retention and the amount of product that is actively available. It may also enhance the absorption of systemic agro-chemicals.
- **VILLA 51** is a non-ionic surfactant (wetter, spreader) and can be used with products that recommend the use of such an adjuvant.

USE RESTRICTIONS

- **VILLA 51** should be used with agro-chemicals that recommend the use of a surfactant and should not be used with products that do not require the use of an additional surfactant.
- Take all necessary precautions associated with aerial spraying of herbicides, especially with regard to control of drift.
- Test the mixture on a small scale before applying it on a large scale.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- **VILLA 51** can be used with various active ingredients that requires the addition of a surfactant. These active ingredients include sulfonylureas e.g. **GLEAN®** (L 1672), **BRUSH-OFF®** (L 4535), **MONITOR® 75 WG** (L 6003), **MONITOR® 80 WG** (L 7074), **Mesotrione** e.g. **Cantron® 480 SC**, certain insecticides such as **Indoxacarb** e.g. **STEWART® 150 EC** (L 8435), **Margin 300 WDG**, **TANOS® PRO** (L 8456), **Paraquat** e.g. **SKOFFEL® 200 SUPER** (L 6328) and **SKOFFEL® 145 SL** (L 4347), **Terbuthylazine** e.g. **Terbuweed 600 WDG** and any other product that recommends the use of a non-ionic surfactant.

Mixing instructions:

- Half fill the spray tank with clean water.
- Pre-mix the **VILLA 51** with a small amount of water before it is added to the spray tank. This is particularly relevant when it is applied in cold water.
- Add the required amount of agro-chemical and **VILLA 51** slowly and then the remainder of the water while stirring.
- In the event of tank mixes, strictly adhere to all the recommendations of the tank-mix components.
- Prepared mixture must not be left in the spray tank for any length of time.

Application instructions:**Ground application:**

VILLA 51 can be used with any correctly calibrated spray equipment as recommended on the herbicide/fungicide/insecticide label.

Aerial application:

Take all necessary precautions associated with aerial spraying of herbicides, especially with regard to off-target drift, as the addition of a surfactant normally increases the volume of fine droplets. Follow the label instructions of the herbicide being used with **VILLA 51**. If in any doubt, consult with the supplier and crop sprayer.

APPLICATION RATES

VILLA 51 may be used with any spray mixture and can be applied to any crop. Add the required quantity to the spray mixture and agitate thoroughly.

<i>Use</i>	<i>Dosage</i>	<i>Remarks</i>
<u>General use</u>		
1. <u>Agricultural use:</u> For general use on most crops	6 ml / 100 ℓ water	Also where the target pest/disease is particularly hard to wet.
2. <u>Agricultural use:</u> For use on plants with pronounced waxy leaf surfaces	18 ml / 100 ℓ water	
3. <u>General use in home gardens, lawns and turf</u>	2.0 ml / 10 ℓ water	
<u>Deciduous fruit</u>	6 ml / 100 ℓ water	
<u>Vines</u>	6 to 18 ml / 100 ℓ water	According to variety and age of foliage.
<u>Weed control</u> Sulfonylureas such as Chlorsulfuron and Metsulfuron methyl e.g. Glean® PLUS Brush-Off® in the summer rainfall area	100 ml / 100 ℓ water	Refer to the herbicide label for specific surfactant recommendations and crops.
Sulfonylureas such as Sulfosulfuron e.g. Monitor® 75 WG & Monitor® 80 WG	250 ml / 100 ℓ water	
Mesotrione e.g. Cantron® 480 SC, Astron® 480 SC and Canonne 480 SC	0.1 %	
Paraquat e.g. Skoffel® 200 Super and Skoffel® 145 SL	0.05 to 0.1 %	
Terbuthylazine e.g. Terbuweed 600 WDG, Terbucide 600 WDG and Terbumais 600 WDG	0.1 %	

<i>Use</i>	<i>Dosage</i>	<i>Remarks</i>
<u>Insect control</u> Indoxacarb e.g. Steward® 150 EC, Margin 300 WDG, Session 300 WDG and Indo 300 WDG		For specific rates on different crops refer to the insecticide label for specific surfactant recommendations.
<u>Fungicidal control</u> TANOS® PRO	100 ml / 100 ℓ	Refer to the fungicide label for specific surfactant recommendations on potatoes.

The following products mentioned in this label are equivalent to the products listed below:

- **CANTRON® 480 SC** (L 8365 / N-AR 1323 / W 130651) = **ASTRON® 480 SC** (L 8366) = **CANONNE 480 SC** (L 8735) (**Mesotrione**),
- **TERBUWEED 600 WDG** (L 8800) = **TERBUCIDE 600 WDG** (L 8799) = **TERBUMAIS 600 WDG** (L 8798) (**Terbutylazine**) and
- **MARGIN 300 WDG** (L 9009) = **SESSION 300 WDG** (L 9010) = **INDO WDG** (L 9025) (**Indoxacarb**).

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MONITOR® 75 WG and MONITOR® 80 WG are registered trademarks of **MONSANTO (PTY) LTD.**

TERBUWEED 600 WDG and MARGIN 300 WDG are registered trade names of **VILLA CROP PROTECTION (PTY) LTD.**

CANTRON® 480 SC is a registered trademark of **VILLA CROP PROTECTION (PTY) LTD.**

TERBUCIDE 600 WDG and SESSION 300 WDG are registered trade names of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

SKOFFEL® 200 SUPER, SKOFFEL® 145 SL and ASTRON® 480 SC are registered trademarks of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

TERBUMAIS 600 WDG, CANONNE 480 SC and INDO WDG are registered trade names of **CROPASURE (PTY) LTD.**