

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



SKOFFEL® 145 SL

Reg. No. L 4347 Act/Wet No. 36 of/van 1947

6:18/4/2012-June2017

A water-soluble herbicide for the control of annual grasses and broad-leaved weeds in crops as listed, and for firebreaks and industrial use. Inactivated on contact with soil.

'n Wateroplosbare onkruidodder vir die beheer van eenjarige grasse en breëblaaronkruid in gewasse soos aangedui en vir voorbrande en industriële gebruik.

Onaktief na aanraking met grond

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

paraquat ion (bipyridyl) **145 g/l** parakwat ion (bipiridiel)
(as dichloride salt) **200 g/l** (as dichloriedsout)

HRAC HERBICIDE GROUP CODE **D** HRAC ONKRUIDDODER GROEPKODE



villa

Registration holder / Registrasiehouer:
Universal Crop Protection (Pty) Ltd.
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07
PO Box / Posbus 801, Kempton Park, 1620
Tel: 011 396 2233
Website / Webblad: www.villacrop.co.za

UN Number: 3016

Willow Set & Print 011 394-4486



TOXIC
GIFTIG



GERBUIKSAANWYINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED
REFER TO DETAILS PRINTED
ON CONTAINER/BAG
Batch number:
Lotnommer:



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UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801

KEMPTON PARK, 1620. Tel. (011) 396 2233

**TOXIC****GIFTIG****WARNINGS**

- Handle with extreme care.
- **Keep livestock out of treated areas for 3 weeks.**
- Poisonous by skin contact, swallowing and inhaling.
- **SKOFFEL® 145 SL** is an eye and skin irritant.
- Poisonous to fish, bees and wild life.
- Store under lock and key in a cool, dry place, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 2 days after treatment unless wearing protective clothing.
- **SKOFFEL® 145 SL** can be fatal if swallowed or inhaled - never repack from this container.
- **In case of poisoning, take the patient immediately to the nearest physician and make this label available to him/her.**

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 soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weeds to the remedy 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 event of any uncertainty.**

PRECAUTIONS

- Do not inhale the spray mist or fumes.
- Wear protective clothing (overall, rubber boots, gloves, a respirator and a face shield) when handling, preparing and applying the product.
- Wash contaminated clothing daily after use.
- Wash with soap and water after use and after accidental skin contact.
- Do not eat, drink or smoke whilst mixing or applying the product, or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams and areas not under treatment or nearby water sources.
- Thoroughly clean the applicator after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the container by perforation and flattening and dispose of it in a safe way.

- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

Immediate effects depend on the dose of **Paraquat** absorbed into the blood and effects may be delayed. Ingestion of small quantities may cause harm and larger quantities may lead to death. Damaged skin will lead to increased rates of absorption of **Paraquat**.

Early signs of poisoning are vomiting and painful mucous membranes in mouth and throat. In severe cases diarrhoea follows and kidney and liver damage may develop 1 to 3 days after exposure. Lung damage can be observed after about 3 days and may lead to death.

The concentrate can lead to serious eye damage, sometimes delayed up to 24 hours.

Exposure to spray mist may cause nose bleeding and soreness of mouth and throat.

FIRST AID TREATMENT

- Remove the patient from the source of poisoning and keep him/her calm and reassured.
- **Eye contact:** Flush eyes with lukewarm, gently flowing water for at least 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. **If irritation, redness or burning sensations develop, get medical attention immediately.**
- **Skin contact:** Immediately remove contaminated clothing, shoes and leather goods (e.g. watch bands and belts). Gently and thoroughly wash the contaminated skin with non-abrasive soap and water. Do not rub the skin. If the skin is damaged, the **Paraquat** can be absorbed through the skin. Emergency personnel should wear gloves and avoid contamination. **If irritation persists, get medical attention immediately.**
- **Inhalation:** Remove the patient from the exposure area to fresh air immediately. Keep affected person warm and at rest. Get medical attention immediately. **Do NOT administer supplementary oxygen.**
- **Ingestion:** **Do not** induce vomiting. Rinse mouth with water and give water to drink. **Seek medical advice immediately.**

NOTE TO PHYSICIAN

Rapid treatment is essential. Wash out the stomach and test urine and gastric aspirate (if clear) for presence of **Paraquat**. Give the patient up to 1 litre of a 15 % aqueous suspension of Fuller's Earth, orally or via gastric tube, together with a suitable purgative (200 ml of aqueous solution of mannitol). Repeat administration of the absorbent plus the purgative until the absorbent is seen in stools. This should normally take between 4 to 6 hours after start of the treatment.

Do NOT administer supplementary OXYGEN.

RESISTANCE WARNING

SKOFFEL® 145 SL is a group code D herbicide. Any weed population may contain individuals naturally resistant to **SKOFFEL® 145 SL** and other group code D herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SKOFFEL® 145 SL** or any other group code D herbicide.

To delay herbicide resistance:

- avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes,
- integrate other control methods (chemical, cultural, biological) into weed control programmes.

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

DIRECTIONS FOR USE: Use only as directed.

- Mix the required amount of **SKOFFEL® 145 SL** with **clean** water in the spray tank.
- For optimal performance add an adjuvant such as **VILLA 51** at the registered rate.
- Apply with ground sprayers in 200 to 500 litres of water per hectare.
- Use the high volume and high dosage rate for spraying dense weed growth.
- Ensure good coverage.
- **Do not spray buds or green parts of any crop.**
- **SKOFFEL® 145 SL** kills green tissue but does not harm mature bark.
- It is inactivated rapidly on contact with the soil and has therefore no residual action.

APPLICATION RATES

Crop	Dosage / ha	Remarks
All crops Stale Seedbed Method	1.25 to 2.0 ℓ	Prepare the seedbed with fertilizer, irrigate and let the weeds emerge, to cover the surface. Apply and sow within 3 days, without working the seedbed. This method is especially useful for crops for which no other herbicide is registered. Crops may also be sown a few days before spraying.
Minimum Cultivation	1.5 to 4.0 ℓ	Apply before or just after planting annual crops. May be mixed with a corresponding residual herbicide.
Afforestation	2.5 to 3.75 ℓ	Spray around young trees with a special applicator.
Avocado's, Citrus, Papayas, Pecans, etc.	1.25 to 5.0 ℓ	In citrus ONLY , it can be mixed with a suitable residual herbicide.
Bananas, Coffee and Tea	1.25 to 2.5 ℓ	Apply through a low pressure and flood jet nozzle.
Deciduous fruit	2.5 to 5.0 ℓ	Spray as necessary from spring onward. Mix with Simazine for residual effect in pome fruit only.
Fire breaks	2.5 to 3.75 ℓ	Two months before the onset of the fire season: Spray a 1 to 2 metres wide band (the sparser the vegetation the wider the band), on both sides of an untreated strip (and about 10 metres from a road or canal). Burn the sprayed bands 3 weeks later, while the unsprayed areas are still green and not likely to burn. The strip in-between can be burned relatively safely, as soon as the first frost or drought occurs to dry the strip and it becomes easy to burn.
Industrial areas Young weeds	2.5 ℓ	Use 500 to 1000 litres spray mixture per hectare, depending on the density of the weeds.
Mature weeds	5.0 ℓ	
Lucerne (over 6 months old)	2.5 to 5.5 ℓ	Apply just before dormancy breaks or after cutting, before re-growth of lucerne occurs.
Potatoes (haulm destruction)	2.5 to 5.0 ℓ	Use 200 to 500 litres water per hectare. Do not apply if haulms show signs of wilting, as tuber damage may occur. Spray ONLY if at least 5 hours sunshine is expected.
Sugarcane	1.5 to 3.0 ℓ	Directed post-emergence in plant and ratoon cane. Should the spray come into contact with green cane leaves, scorching will occur, but this is only a temporary effect. Other suitable herbicides may be added for residual effect.
Vegetables (grown in rows)	1.25 to 2.5 ℓ	Use a knapsack sprayer with a suitable shield, to protect all parts of the crops from spray and mist. Do not spray on to the crop.
Vineyards	2.5 to 5.0 ℓ	Apply overall when weeds are 10 to 15 cm high, before bud burst of the vines. Subsequently as a directed spray.

NOTES ON WEEDS CONTROLLED

SKOFFEL® 145 SL damages and controls the green tissue of most annual weeds. However, re-growth may occur due to subsoil parts re-germinating e.g. from stolons or bulbs. Variable and sub-optimal control of weeds (even at high rates dosage rates) may be occur due to various reasons, such as:

- Stress conditions (drought, cold or heat stress).
- Plants with pronounced waxy cuticle layers (e.g. *Portulaca oleracea*, *Chenopodium album*, *Gisekia pharnecoides*).
- Natural resistance to the control with **Paraquat** based products (e.g. *Commelina bengalensis*, *Ipomoea* spp., *Malva parviflora* and *Conyza bonariensis*).
- Acquired resistance due to the repeated use of **Paraquat** and/or **Glyphosate** (e.g. *Lolium* spp. and *Conyza bonariensis* [confirmed resistance in the RSA]).
- Poor spray coverage and penetration of exposed leaves (e.g. *Argemone subfusiformis*).
- Plants with bulbs and tubers (e.g. *Cyperus* spp. re-growth).
- Protected growth tips being such as leaf sheets covering growth tips or subsurface growth points.

- Inconsistent relationship between above soil and subsoil plant tissue (e.g. *Conyza bonariensis* after dry periods or growth during the winter).

The following product mentioned in this label may be replaced with an equivalent product:

- **VILLA 51** (L 8050, W 130454, N-AR 1090) = **WEN 51** (L 8315).

SKOFFEL® is a registered trademark of / is 'n geregistreerde handelsmerk van
Universal Crop Protection (Pty) Ltd.
VILLA 51 and **WEN 51** are registered products of / is geregistreerde produkte van
Villa Crop Protection (Pty) Ltd.