Read the label before opening the container. For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

SPRITE 255

South Africa Reg. No: L8247 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: C3

A selective emulsifiable concentrate herbicide for the post-emergent control of certain broadleaf weeds in the crops indicated.

ACTIVE INGREDIENT:

Bromoxynil (nitrile) (as the octanoate ester).....255g/ℓ

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Flammable liquid and vapour.
- May be fatal if swallowed and enters the airways.
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Harmful if inhaled.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Suspected of causing cancer.
- Suspected of damaging unborn child.
- Very toxic to aquatic life with long lasting effects.

DANGER

PRECAUTIONARY STATEMENTS

- Keep container tightly closed.
- Avoid release to the environment.

enviro bio-chem

Registration holder: Erintrade cc t/a RT Chemicals
Co. Reg. No: CK2001/036403/23
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Tel: +27 87 231 7261 | Fax: +27 86 541 7948
Web: www.envirobiochem.co.za

Expiry Date:
Batch No:
Date of Manufacture:

UN No. 1993

WARNINGS:

• Allow the following periods between application and grazing or feeding:

Barley, Oats & Wheat	40 days
Maize & Grain sorghum	14 days

- Flammable liquid and vapour
- May be fatal if swallowed and enters the airways.
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Harmful if inhaled.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Suspected of causing cancer.
- Suspected of damaging unborn child.
- Very toxic to aquatic life with long lasting effects.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool place in the original container, away from food, feed, seed and fertiliser.
- Toxic to fish, bees and wildlife.
- Flammable: Do not store near open flame.
- Re-entry: Do not enter treated field within 2 days after application unless wearing protective clothing.
- Aerial application: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water sources.

Although this herbicide 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 weed against the herbicide concerned, as well as by 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 herbicide 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 registration. Consult the supplier in the event of uncertainty.

PRECAUTIONS:

- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Keep container tightly closed.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands, forearms, and face thoroughly after handling
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF exposed or concerned: Get medical advice/attention.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Collect spillage
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Prevent contamination of food, feeds, drinking water and eating utensils.

- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean all equipment after use and dispose of wash water where it will not contaminate crops, grazing of water sources.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

RELEVANT SUBSTANCES:
Bromoxynil octanoate 12.4%
Solvesso 150 < 50%

SYMPTOMS OF HUMAN POISONING:
Nausea, vomiting, diarrhoea, small pupils, abdominal cramps, muscular weakness, pulmonary oedema, shock, convulsions.

FIRST AID TREATMENT:
INHALATION: Remove person to fresh air and keep comfortable for breathing.
INGESTION: Immediately call a POISON CENTER or doctor/physician.
SKIN CONTACT: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
If eye irritation persists: Get medical advice/attention.

NOTE TO DOCTOR:
There is no antidote. Administer gastric lavage. Treat symptomatically.

RESISTANCE WARNING:
For resistance management **SPRITE 255** is a **group code C3** herbicide. Any weed population may contain individuals naturally resistant to **SPRITE 255** and other **group code C3** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. **SPRITE 255** or any other **group code C3** herbicide may not control these resistant weeds.
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
Weed Growth Stage and Condition:
- Do not apply **SPRITE 255** when weeds are older than specified, as this will result in poor weed control.
- Apply **SPRITE 255** when weeds are growing actively and not under stress (heat, moisture, etc.).
- **SPRITE 255** is a contact herbicide and will only control young emerged weeds. It has no soil weed control activity.
- Ensure a thorough spray droplet cover of target weed foliage.
- Apply **SPRITE 255** between emergence and the 6-leaf stage of the weeds.

Crop information:

- Do not mix **SPRITE 255** with a wetting agent when spraying maize or sorghum.
- Under certain conditions **SPRITE 255** may cause leaf scorch or yellowing in grain crops. This is a temporary effect and yield will not be affected.

Compatibility:

SPRITE 255 may be mixed with other herbicides. The compatibility of **SPRITE 255** with other products will be influenced by the formulation of the products involved as well as the quality of the spray water. Since the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application. If **SPRITE 255** is mixed with other crop protection products, read the label of the other product and apply as recommended. Consult your **SPRITE 255** representative before mixing **SPRITE 255** with other crop protection products.

Mixing Instructions:

Half fill the spray tank with clean water. Add the required quantity of **SPRITE 255** as recommended and fill the spray tank to the required water volume. Ensure thorough agitation during mixing and spraying.

Application:

Ground application:

Use a conventional spray boom with flat fan nozzles on a tractor-mounted sprayer. Use a low spray pressure (100 to 300kPa) to apply **SPRITE 255** as a course droplet spray. DO NOT SPRAY AT HIGH PRESSURE. Ensure complete spray coverage of the weeds by applying at least 200ℓ of spray mixture per hectare. Spot spraying may be done with a knapsack. Do not apply when the wind speed exceeds 8km/h.

Aerial application:

DO NOT COMMENCE AERIAL APPLICATION BEFORE CONSULTING YOUR **SPRITE 255** SUPPLIER. Aerial application of **SPRITE 255** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 to 35ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm^2 must be recovered on the target area.
- Droplet size: A droplet spectrum with a VMD of 300 to 350 microns is recommended. Limit the production of fine droplets of less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft dives, is in a climb or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75% of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.

- Stop spraying if the wind speed exceeds 15km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above) may lead to the following:
  - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
  - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

CROP	DOSE	REMARKS
Barley Oats Wheat	1.5 - 2ℓ **SPRITE 255**/ha	The cereal seedlings should be between the 3 leaf and the end of the stooling stage. Do not spray before the 3 leaf stage and from the beginning of the tillering stage onwards. Apply when the weeds are fully emerged but not older than the 6 leaf stage (or 3 leaf stage for weeds as indicated below). Use the higher rate for aerial application.
Maize	1.5 - 2ℓ **SPRITE 255**/ha	Apply as ground or aerial spray (see above) when the weeds are fully emerged but not older than the 6 leaf stage (or 3 leaf stage for weeds indicated below). Use the higher rate for aerial application. Do not apply to maize younger than the 4 leaf stage.
Grain sorghum	1.5 - 2ℓ **SPRITE 255**/ha	Apply as ground spray when the weeds are fully emerged but not older than the 6 leaf stage (or 3 leaf stage for weeds indicated below). Do not apply to sorghum younger than the 4 leaf stage. Do not apply by air.

WEEDS CONTROLLED BY SPRITE 255	
These weeds will only be controlled between emergence and the 6-leaf growth stage.	
COMMON NAME	BOTANICAL NAME
Upright Starburr	*Acanthospermum Hispidum*
Common Pigweed	*Amaranthus Hybridus*
Thorny Pigweed	*A. Spinosus*
Red Pigweed	*A. Thunbergii*
Fiddleneck	*Amsinckia Calycina*
Stink Mayweed	*Anthemis Cotula*

These weeds will only be controlled between emergence and the 6-leaf growth stage.	
COMMON NAME	**BOTANICAL NAME**
Cape Marigold	*Arctotheca Calendula*
White Flowered Mexican Poppy	*Argemone Subfusiformis*
Blackjack	*Bidens Pilosa*
Climbing Knotweed	*Bilderdykia Convolvulus*
Sheperd's Purse	*Capsella Bursa-Pastoris*
White Goosefoot	*Chenopodium Album*
Wormseed Goosefoot	*C. Ambrosioides*
Green Goosefoot	*C. Carinatum*
Stinking Goosefoot	*C. Multifidum*
Nettle-Leaved Goosefoot	*C. Murale*
Schrader Goosefoot	*C. Schraderianum*
White Watermelon	*Citrullus Lanatus*
Spider-Wisp	*Cleome Gynandra*
Cosmos	*Cosmos Bipinnatus*
Striped Wild Cucumber	*Cucumis Myriocarpus*
Large Thorn Apple	*Datura Ferox*
Thorn Apple	*D. Stramonium*
Smelter's Bush	*Flaveria Bidentis*
Gallant Soldier	*Galinsoga Parviflora*
Giseka	*Gisekia Pharnaceoides*
Sunflower (Erratic Control)	*Helianthus Annuus*
Bladder Weed	*Hibiscus Trionum*
-	*Ipomoea Coscinosperma*
Common Morning Glory	*L. Purpurea*
Pepper Weed	*Lepidium Bonariense*
Annual Yellow Sweet Clover	*Melilotus Indica*
Apple Of Peru	*Nicandra Physaloides*
Stinkweed	*Pentzia Grandiflora*
Wild Gooseberry	*Physalis Angulata*
Tropical Richardia	*Richardia Brasiliensis*

These weeds will only be controlled between emergence and the 6-leaf growth stage.	
COMMON NAME	**BOTANICAL NAME**
Castor-Oil Plant	*Ricinus Communis*
Dwarf Marigold	*Schkuhria Pinnata*
Molteno-Disease Senecio	*Senecio Burchellii*
Wild Sesame	*Sesamum Triphyllum*
Heartleaf Sida	*Sida Cordifolia*
Nightshade	*Solanum Nigrum*
Sowthistle	*Sonchus Oleraceus*
Khaki Weed	*Tagetes Minuta*
Tiny Purple Vetch	*Vicia Hirsuta*
Broad-Leaved Purple Vetch	*V. Sativa*
Spiny Cocklebur	*Xanthium Spinosum*
Cocklebur	*X. Strumarium*
These weeds will only be controlled between emergence and the 3-leaf growth stage.	
Perennial Pigweed	*Amaranthus Deflexus*
Spindlepod	*Cleome Monophylla*
Spiny Emex	*Emex Australis*
Prostrate Knotweed	*Polygonum Aviculare*
Wild Radish	*Raphanus Raphanistrum*
Common Wild Mustard	*Sisymbrium Thellungii*
Dubbeltjie (Smaller Than 2.5Cm Diameter)	*Tribulus Terrestris*
These Weeds Will Be Controlled By **Sprite 255** + Atrazine 500 Sc Mixture When Applied Between Emergence And The 6-Leaf Growth Stage In Maize And Grain Sorghum.	
Bengal Wandering Jew	*Commelina Benghalensis*
Purslane	*Portulaca Oleracea*