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

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

ESCAPE

South Africa Reg. No: L6021 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: C1

A Granular root absorbed herbicide for dry application, possessing residual action, for the control of weeds on non-crop areas and in plantations off certain *Pinus species*, as specified, in the Southern cape region bounded by Stutterheim in the east and Mosselbay in the west.

ACTIVE INGREDIENT:

Hexazinone (triazine).....50 g/kg
Terbuthylazine (triazine).....150 g/kg

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

HAZARD STATEMENTS

- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to auatic life with long lasting effects.



PRECAUTIONARY STATEMENTS

- Wash hands, forearms, and face thoroughly after handling.
- Do not eat, drink, or smoke when using this product.

enviro™ bio-chem

Registration holder: Enviro Industries (Pty) Ltd
Reg No. CK 1999/06138/07
44 Kerk Street, Lichtenburg NW, South-Africa
Tel: +27 12 006 0063 | Fax: +27 86 541 7948
Web: www.envirobiochem.co.za

Expiry Date:
Batch No:
Date of Manufacture:

UN No. 2763

WARNINGS:

- May cause damage to organs through prolonged or repeated exposure
- Very toxic to auatic life with long lasting effects
- Is non-selective and may kill trees and desirable plants if applied incorrectly.
- Keep out of reach of children and uninformed persons.
- Store in original container in a cool place out of direct sunlight, and away from food, feed, seed and fertilizer.

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; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds 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, 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:

- Keep out of reach of children
- Read label before use
- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink, or smoke when using this product
- Do not breathe dust/fumes/gas/mist/vapours/spray
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment
- Get medical advise/attention if you feel unwell
- Dispose of contents/container in accordance with local/regional/national regulaions
- 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.

Environmental precautions

- Do not contaminate streams, rivers or dams with the chemical or used containers or packages.
- Do not apply the product in a water course within the maximum flood level, or in a wetland.
- Do not apply on sloping ground where surface wash could carry the product to sensitive areas, or into areas into which the roots of desirable vegetation may extend.
- Do not apply within the root zone of desirable trees or plants. Allow at least twice the height of the tree to determine root spread.
- Do not load within 20 metres of any body of water.
- Do not load within 20 metres of a well unless on an impervious pad to prevent groundwater contamination.

Environmental Restrictions:

- Highly Vulnerable Sites – (less than 0,5% organic matter, greater than 60% sand, water table less than 2 metres below surface and annual rainfall greater than 1000 mm). Do not apply more than 40 kg per hectare per year. Spot treatments will effectively reduce the total quantity applied.
- Moderately Vulnerable Sites – (at least two of the factors, shown above characterizing a vulnerable site are not present): Do not apply more than 120 kg per hectare per year. Spot treatments will effectively reduce the total quantity applied.
- Low Vulnerability Sites – (at least three of the factors above characterizing a vulnerable site are not present): Do not apply more than 200 kg per hectare per year.

RELEVANT SUBSTANCES:

Hexazinone 5.1%
Terbuthylazine <20%

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.
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

RESISTANCE WARNING

For resistance management Escape is a group code C1 herbicide. Any weed population may contain individuals naturally resistant to Escape and other group code C1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Escape or any other group code C1 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

ESCAPE is a broad spectrum herbicide which controls many annual and perennial weeds, both grasses and broadleaved weeds as well as a number of woody and semi-woody trees and shrubs. It is root absorbed and requires leaching into the root zone of the weeds to be controlled. Adequate rainfall is required for this purpose. It also is a pre-emergence herbicide with residual action and will control several weed species that may germinate after application. It should be applied just prior to or at the commencement of active weed growth preferably at the beginning of the rainfall period where seasonal rain occurs. Under dry conditions results may be slow to appear. Soil type has an influence on the activity of the product, higher rates being required as the clay and humus contents of the soil increases. It is not recommended on soils containing under 5% or over 35% clay. The length of residual weed control obtained is dependent on the dosage rate, rainfall subsequent to application, soil type and species of weed seeds present in the soil bank. Weeds which are entering the dormant cycle, or which have shed seed, or suffering from moisture stress or cold may not be adequately controlled. Do not apply during periods of heavy rainfall.

ESCAPE may be used for::
i) Total vegetation control applied broadcast or by means of the Weed-a-Meter (WAM) for localised weed control.
ii) Localised weed control in plantations of certain *Pinus* species under restricted conditions using the Weed-a-Meter.
Refer to the appropriate sections for details.

APPLICATIONS:

The product should be distributed dry over the weeds using a calibrated mechanical distributor for broadcast application, or by means of a calibrated Weed-a-Meter for localised control.
Total Vegetation Control:

DOSAGE RATES - TOTAL VEGETATION CONTROL				
SOIL TYPE	ANNUAL WEEDS		PERINNIAL WEEDS	
	kg/ha	g/m^2	kg/ha	g/m^2
5 - 20% clay (sand)	60 - 80	6 - 8	80 - 100	8 - 10
21 -35% clay (sandy clay loam)	80 - 100	8 - 10	100 - 120	10 - 12

Where *Cynodon Dactylon* or *Paspalum spp.* are a problem use 120 to 160kg/ha (12 to 16g/m^2) and repeat if necessary towards the end of the growing season using half the initial rate.

Use of the Weed-a-Meter (WAM)

For spot application the WAM may be used to apply **ESCAPE** over a circle from 1 to 1.5 metres in diameter depending on the height held above the ground. The table below gives the dosage applied in grams per m^2 using different trigger sizes when the trigger is held at a height of approximately 90cm giving 1.2m diameter spot.

WAM APPLICATION GUIDE				
TRIGGER	NUMBER OF SHOTS	SPREAD IN METRES	g/m^2	g/shot
#3	3	1.2	6.75	2.55
#3	4	1.2	9	2.55

Always check the delivery of the product prior to usage. Do not use the WAM under windy or rainy conditions.

Usage comments:

1. Refer to the weeds list for species controlled.
2. Use the lower rate on young weeds, and the higher rate for more mature plants, or where a longer residual control is required. Weeds should be actively growing at the end of the treatment. Plants stressed from drought, cold or which are water logged will not be adequately controlled.
3. Watch for **ESCAPE** weeds and repeat on a spot basis.
4. Residual control obtained may vary from 2 to 4 months, depending on conditions. Where a bare ground situation is required for a longer period in the same growing season, re-apply at the rate of 50 to 60kg/ha to the emerging weeds.

PINE TREE ESCAPE APPLICATION:

ESCAPE may be used under certain conditions for weed control in plantations of *Pinus radiata* and *P.elliotti* in the Southern Cape region, using the Weed-a-Meter. As young trees **may be killed or injured**, it is important that the following restrictions be observed:

- Select only strong rooted, hardened, stress free plants for transplanting purposes.
- Do not apply to young trees until at least 4 months after transplanting. When interplanting of trees is practiced, 4 months should elapse from this date.
- Do not apply to trees which have poor vigour due to inadequate root systems, or suffering from drought, waterlogging, disease or other adverse environmental factors.
- Do not apply to trees planted in light sandy or gravelly soils with less than 15% clay content, or on soils with a high leaching index, or on poorly drained soils subject to waterlogging.
- Do not exceed the dosage specified.
- Do not apply during cold weather causing tree stress.
- Do not repeat an application in the same season.

DIRECTIONS FOR USE: *Pinus Radiata en P.elliotti*

GENERAL:

ESCAPE is applied to weeds around individual trees using the Weed-a-Meter held centrally over the tree at the correct height to provide a 1.2 meter diameter spot. Refer to Weed-a-Meter instructions leaflet before using the product. Trees should be growing vigorously at the time of application. Apply either before or after weed germination but preferably before the weeds become competitive to the tree.

Familiarize yourself with the precautions and general instructions for using the product. Ensure that persons assigned to apply the product are properly trained, and are aware of the danger of killing trees from overapplication.

MAXIMUM DOSAGE RATES FOR *Pinus radiata en P.elliotti*					
SITUATION		g/m²	G/TREE PER 1.2m DIAMETER	WAM TRIGGER #	NUMBER OF SHOTS
AGE OF TREES	SOIL TYPE % CLAY				
4 - 6 months	15 - 20%	3.2	3.84	#2	Two
	21 -35%	4.5	5.1	#3	Two
Older than 6 months	15 - 35%	4.5	5.1	#3	Two
Older than 12 Months	15 - 35%	6.77	7.65	#3	Three

Remarks:

- Use the 3.2g/m² rate for pre-emergence weed control or where weeds are in die seeding stage.
- The 6.77g/m² rate is suggested for the use on robust trees where "fynbos" type weeds are a problem and where extended residual control is required. The safety of this rate in respect to tree injury should be established by treating a limited area in the first instance under the local conditions prevailing in the area.
- If in doubt to procedure contact your distributor or a representative of Enviro Weed Control Systems.

PARTIAL LIST OF SOUTHERN CAPE FORESTRY WEEDS CONTROLLED BY 6g/m² ESCAPE.

BOTANICAL NAME	COMMON NAME	REMARKS
Acacia mearnsii	Black wattle	Pre-emmergence or early seedling stage. Rainfall essential shortly after application.
Acacia melanoxylon	Blackwood	
Chrysanthemoides monilifera	Brother perry	
Conyza Canadensis	Horseweed	
Digitana sanguinalis	Crab fingergrass	
Ehrharta calycina	Ehrhata	
Ehrharta subspicata	Ehrhata	
Fimbristylis hispidula	Sedge	
Fimbristylis dichotoma	Sedge	
Gleichenia polypodioides	Creeping fern	Young plants only. Supression of mature plants.
Helichrysum cripum	Everlasting	
Helichrysum cymosum	Everlasting	
Helichrysum niveun	Everlasting	
Hydrocotyl Americana	Navelwort	
Hypochoeris radicata	Hairy wild lettuce	
Lobelia erinus	Lobelia	
Lolium spp	Ryegrass	
Metalasia muricata	Blombos	

BOTANICAL NAME	COMMON NAME	REMARKS
Paspalum dilatatum	Common paspalum	
Pennisitum clandistinum	Kikuyu grass	
Phylicia spp		
Pteridium aquilinum	Bracken	Suppression only.
Restio triticus	Sedge	
Stoebe incana	Slangbos	
Solanum nigrum	Nightshade	
Stoebe plumosa	Slangbos	
Tetradenia riparia (sp)	Watersalie	
Virgilla oroboides	Snowdrop tree	

PARTIAL LIST OF WEEDS CONTROLLED ON NON-CROP SITES.

BOTANICAL NAME	COMMON NAME
Annual Weeds	
Amaranthus hybridus	Common pigweed
Argemone mexicana	Mexican poppy
Cosmos bipianatus	Cosmos
Bromus catharitus	Rescue grass
Commelina wandering	Wandering Jew
Conyza albida	Tall fleabane
Conyza bonariensis	Flax-leaf fleabane
Conyza canadenis	Horseweed fleabane
Cyperus esculentus	Yellow nutsedge
Digitaria sanguinalis	Crab fingergrass
Eleusine Africana	Goose grass
Panicum schinzii	Sweet buffalo grass
Pseudo gnaphalium luteo-album	Jersey cudweed
Tagetes minuta	Khaki weed

Perinnial Weeds	
Cynodon dactylon	Common kweek grass
Eragrostis chloromelas	Lovegrass
Eragrostis curcula	Weeping love grass
Eragrostis lehmanniana	Lovegrass
Hyparrhenia hirta	Common thatch grass
Panicum maximum	Buffalo grass
Pennisetum clandistum	Kikuyu grass
Themeda triandra	Red grass