

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

1kg  
treats up to  
100m<sup>2</sup>

# Freehand<sup>®</sup>

Herbicide

ACTIVE CONSTITUENTS:  
10 g/kg PENDIMETHALIN  
7.5 g/kg DIMETHENAMID-P

GROUP D | K HERBICIDE

For pre-emergent control of weeds associated with ornamental plants in containers and in-ground and in warm season turf.

**IMPORTANT: READ THE LEAFLET BEFORE USING THIS PRODUCT**

Granular weed preventer

Designed for warm season turf & garden plants\*

60+ weeds controlled for 3 months

Easy to apply and activate - reduced weed spraying

Personal protective equipment



CONTENTS:

1kg

**BASF**  
We create chemistry

\* Safe on buffalo, couch, kikuyu, carpet grass, zoysia and certain ornamental species - follow label for directions

**LIFT  
HERE****STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple-rinse containers before disposal. Dispose of rinsate or any undiluted chemical according to state/territory legislative requirements. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

**SPILLS**

Sweep up spilled material and return to original container. Wash contaminated equipment taking care that washings do not enter sewers, drains and other waterways.

**SAFETY DIRECTIONS**

Will irritate the eyes. Avoid contact with eyes. If product in eyes, wash it out immediately with water. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a face shield or goggles. If applying by hand, wear cotton overalls over normal clothing buttoned to the neck or wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and face shield or goggles. Wash hands after use. After each day's use, wash face shields or goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet.

**CONDITIONS OF SALE**

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non-excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but

the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval No. 68278/115216

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Batch No:

Date of Manufacture:

BASF Australia Ltd  
ABN 62 008 437 867  
Level 12, 28 Freshwater Place  
Southbank VICTORIA 3006

**FREEHAND® HERBICIDE**

HAZARD STATEMENT: Causes serious eye irritation.

PRECAUTIONARY STATEMENT: If medical advice is needed, have product container or label at hand.

PRECAUTIONARY STATEMENTS (Response): IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Call a POISON CENTRE or doctor/physician.

FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY

**PHONE 1800 803 440**

TOLL FREE – ALL HOURS – AUSTRALIA WIDE

Distributed by:  
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Stapylton Qld 4207  
**Customer Service Number**  
1800 063 619  
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**DIRECTIONS FOR USE****RESTRAINTS**

DO NOT apply to Ornamentals under stress resulting from factors including (but not limited to) lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, poor soil condition or disease.  
 DO NOT broadcast over wet foliage.  
 DO NOT apply in glasshouses or poorly ventilated poly-houses.  
 DO NOT apply in windy conditions as likely to affect good distribution.

DO NOT apply to putting greens.  
 DO NOT apply via aerial application.  
 DO NOT apply to turf grass within 2 weeks of mechanical disturbance such as aerification or verticutting.  
 DO NOT apply to newly seeded turf areas.

SITUATION	WEEDS		RATE	CRITICAL COMMENTS	
<b>Container &amp; in-ground Ornamental plants</b> (See table below in GENERAL INSTRUCTIONS) <b>Recreational Turf:</b> including but not limited to: fairways, golf tees, municipal sports fields, industrial commercial and domestic lawns.	Amaranth ( <i>Amaranthus cruentus</i> ) Annual ryegrass ( <i>Lolium rigidum</i> ) Awnless barnyard grass ( <i>Echinochloa colona</i> ) Bittercress ( <i>Coronopus didymus</i> ) Bladder ketmia ( <i>Hibiscus trionum</i> ) Brazilian white-eye (Mexican clover) ( <i>Richardia brasiliensis</i> ) Chickweed ( <i>Stellaria media</i> ) Crowfoot grass ( <i>Elysius indica</i> ) Dandelion ( <i>Taraxacum officinale</i> )	Deadnettle ( <i>Lamium amplexicaule</i> ) Fat hen ( <i>Chenopodium album</i> ) Giant or Black Pigweed ( <i>Trianthema portulacastrum</i> ) Green fat hen ( <i>Chenopodium murale</i> ) Indian hedge mustard ( <i>Sisymbrium orientale</i> ) Pigweed ( <i>Portulaca oleracea</i> ) Poa Trivialis ( <i>Poa trivialis</i> ) Prickly lettuce ( <i>Lactuca serriola</i> ) Shepherd's purse ( <i>Capsella bursa-pastoris</i> )	Signal grass ( <i>Brachiaria decumbens</i> ) Summer grass ( <i>Digitaria sanguinalis</i> ) Toad rush ( <i>Juncus bufonius</i> ) Wild Hops / Apple of Peru ( <i>Nicandra physaloides</i> ) Wild mustard ( <i>Sisymbrium officinale</i> ) Wireweed ( <i>Polygonum aviculare</i> )	100 kg/ha or 1.0 kg/100 square metres or 10 g/square metre	Apply evenly over the area or pots to be treated preferably using a properly calibrated mechanical granule spreader. Apply to the surface of weed free soil preferably after cultivation or just after potting up. FREEHAND will not control established weeds. Apply to dry foliage only and then sprinkler irrigate or hose (10-15 mm) to wash granules from foliage and incorporate the herbicide into the soil. Do not apply FREEHAND to wet foliage – should this happen irrigate or hose immediately to remove granules from the leaf surface.
Warm Season Turf species only: Hybrid Couch ( <i>Cynodon dactylon</i> <i>Cynodon transvaalensis</i> )	Suppression of: Annual nettles ( <i>Urtica</i> spp.) Bittercress ( <i>Coronopus didymus</i> ) Blackberry nightshade ( <i>Solanum nigrum</i> ) Fumitory ( <i>Fumaria</i> spp.)	Pennyroyal ( <i>Mentha pulegium</i> ) Scrambling speedwell ( <i>Veronica persica</i> ) Stonecrop ( <i>Crassula sieberiana</i> ) Subterranean clover ( <i>Trifolium subterraneum</i> ) Turnip weed ( <i>Rapistrum rugosum</i> )	Wild radish ( <i>Raphanus raphanistrum</i> ) Winter grass ( <i>Poa annua</i> )		Follow the precautions listed below to avoid unnecessary plant damage and to obtain optimum weed control. One application will last for 2-3 months depending upon rainfall, irrigation, soil type (potting mix), temperature and weed seed burden.
Common Couch ( <i>Cynodon dactylon</i> ) QLD Blue Couch ( <i>Digitaria didactyla</i> ) Carpet Grass ( <i>Axonopus compressus</i> ) Kikuyu ( <i>Pennisetum clandestinum</i> ) Buffalo ( <i>Stenotaphrum secundatum</i> ) Zoysia ( <i>Zoysia japonica</i> and <i>Zoysia matrella</i> )	Barnyard grass ( <i>Echinochloa</i> spp.) Button grass ( <i>Dactyloctenium radulans</i> ) Common heliotrope ( <i>Heliotropium europeum</i> ) Creeping oxalis / yellow woodsorrel ( <i>Oxalis stricta</i> ) Crested goosefoot ( <i>Chenopodium cristatum</i> ) Cudweed ( <i>Gnaphalium luteo-album</i> ) Early spring grass ( <i>Echinochloa</i> spp.) Fleabane ( <i>Conyza canadensis</i> ) Flickweed ( <i>Cardamine hirsuta</i> ) Green summer grass ( <i>Brachiaria subquadriflora</i> ) Guinea grass ( <i>Panicum maximum</i> )	Dwarf amaranth ( <i>Amaranthus macrocarpus</i> ) Green amaranth ( <i>Amaranthus viridis</i> ) Liverseed grass ( <i>Urochloa panicoides</i> ) Livewort ( <i>Marchantia polymorpha</i> ) Milk or Sowthistle ( <i>Sonchus oleraceus</i> ) Mossman River grass ( <i>Cenchrus echinatus</i> ) Native millet ( <i>Panicum decompositum</i> ) Pale pigeon grass ( <i>Setaria glauca</i> ) Paspalidium (Brigalow grass) ( <i>Paspalidium</i> spp.) Pepper grass ( <i>Panicum whitei</i> ) Queensland blue grass ( <i>Dichanthium sericeum</i> )	Red Flinders grass ( <i>Iseilema vaginiflorum</i> ) Scarlet pimpernel ( <i>Anagallis arvensis</i> ) Small burr grass ( <i>Tragus australianus</i> ) Stink grass ( <i>Eragrostis ciliaris</i> ) Summer grass ( <i>Digitaria ciliaris</i> ) Weeping love grass ( <i>Eragrostis parviflora</i> ) Winter grass ( <i>Poa annua</i> ) White clover ( <i>Trifolium repens</i> )	200 kg/ha or 2.0 kg/100 square metres or 20 g/square metre	Retreat when the first signs of weed growth are seen but no sooner than 2 months and no later than 3 months after the first application. <b>Ornamentals</b> Do not apply FREEHAND 2 weeks prior to or 2 weeks after leaf bud break or during periods of flush growth. Newly formed leaves are sensitive to this product. Spotting or leaf drop may result from such applications. Do not apply directly on to bare roots of woody ornamentals as injury may occur.
	Suppression of: Caltrop ( <i>Tribulus terrestris</i> ) Common verbena ( <i>Verbena officinalis</i> ) Mintweed ( <i>Salvia reflexa</i> ) Peppergrass ( <i>Lepidium</i> spp.) Stagger weed ( <i>Stachys arvensis</i> ) Willow herb ( <i>Epilobium</i> sp.) Red caustic creeper / Petty Spurge ( <i>Euphorbia</i> spp.)				<b>Turf</b> Apply prior to germination of weeds (typically from early spring through to late summer early Autumn). Delay overseeding of treated turfgrass for at least 3 months after last application. Application of Freehand to newly sodded areas must be delayed turfgrass root system has been well established and turfgrass mowed at least 2 times.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION WITHHOLDING PERIOD**

## DO NOT GRAZE TREATED TURF OR LAWN; OR FEED TURF OR LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK.

### GENERAL INSTRUCTIONS

FREEHAND Herbicide is a selective herbicide for the control of most annual grasses and certain broadleaved weeds. FREEHAND controls weeds by inhibiting seedling development; it will not control established weeds. For best results, container or soil surfaces should be free of weeds, trash and clods at the time of application.

Unusually cold, excessively wet, or hot and dry conditions that delay or extend weed seed germination can reduce weed control.

Note on Ornamentals: Freehand Herbicide has been used on a wide range of ornamental species without damage. However, some species and varieties are particularly susceptible to chemical products. As sensitivity may be related to local conditions it is advisable that only a small portion of plants are treated first to determine reaction to the product before treating entire crop.

The table below lists species which have been shown to be tolerant to Freehand at the highest 20 g rate.

TOLERANT ORNAMENTALS SPECIES	
Acmena (var. Forest flame)	Japanese Boxwood
Agapanthus spp. (cv. Purple Cloud)	Japanese Garden Juniper (cv. Nana)
Agave, Sisal	Lantana
Aloe, Tiger (cv. Fairy Pink)	Lavender (cv. Princess Lavand)
Azalea	Mandevilla
Blue Lilyturf (cv. Evergreen Giant)	Mango Tree (cv. Young Giant)
Bottle Brush, Flaming (cv. Matthew Flinders)	Metrosideros (var. Little Eyyan)
Carnation (cv. Pluto)	Mondo Grass
Coleonema pulchellum (golden diosma, confetti bush (cv. Aurea)	Ohipopogon Japonicas
Common Box (cv. Micro)	Orange Jessamine (Superb hedging)
Dianella congesta (flax lily) (cv. Clarity Blue)	Petunia
Dianthus (cv. Candy Floss)	Philodendron xanadu
English Lavender	Raphiolepis (cv. Spring Pearl)
French Hydrangea	Rhaphiolepis indica (Indian Hawthorn) (cv. Oriental Perl)
Gaura Lindheimeri (cv. Dark Pink)	Sizygium (var. Aussie Boomer)
Glossy Abelia	Sweet Viburnum
Grape, European	Xanthostemon (var. Chrysanthus)
Hibiscus – Rosemallow (cv. Breeze)	Yucca

### APPLICATION

Ornamentals: FREEHAND may be applied individually to each pot or pots can be grouped together and distributed using a granule applicator or GLOVED hand. Ensure applicators are properly calibrated to apply granules evenly. After application ensure granules are brushed or washed off foliage. Even application is important for good weed control. FREEHAND application should be followed by irrigation or rainfall, before weeds germinate. If Freehand is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Turf: Ensure area is clean of debris prior to application. FREEHAND may be applied and distributed using a granule applicator or GLOVED hand. Ensure applicators are properly calibrated to apply granules evenly.

Oscillating spout or rotary type fertiliser spreaders are recommended for large areas. Even application is important for good weed control. FREEHAND application should be followed by irrigation or rainfall, before weeds germinate. If FREEHAND is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

### RESISTANT WEEDS WARNING

**GROUP D & K HERBICIDE**

FREEHAND® Herbicide is a member of the Dinitroanilines (DNAs) and Chloroacetamides groups of herbicides. The product has the combination of Inhibitors of microtubule assembly and inhibitors of cell division / inhibitors of very long chain fatty acids (VLCFA inhibitors) modes of action. For weed resistance management, the product is a Group D & a Group K herbicide. Some naturally occurring weed biotypes resistant to the product and other Group D & Group K herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group D or Group K herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

To protect birds, remove spillages.

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Ornamentals: Plant only those desirable plant species listed on this label into soil or potting mix treated the previous season with FREEHAND or injury may occur.

Turf: For application of FREEHAND to warm season turfgrass species not listed in the Directions for Use Table, test the safety of FREEHAND by applying to a small area first.

### STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple-rinse containers before disposal. Dispose of rinsate or any undiluted chemical according to state/territory legislative requirements. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

### SPILLS

Sweep up spilled material and return to original container. Wash contaminated equipment taking care that washings do not enter sewers, drains and other waterways.

## **SAFETY DIRECTIONS**

Will irritate the eyes. Avoid contact with eyes. If product in eyes, wash it out immediately with water. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a face shield or goggles. If applying by hand, wear cotton overalls over normal clothing buttoned to the neck or wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and face shield or goggles. Wash hands after use. After each day's use, wash face shields or goggles and contaminated clothing.

## **FIRST AID**

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