



## MACSPRED INDUSTRIAL PRODUCT INFORMATION BULLETIN

**Product :** Dymac® G (do not mix with water, use as a soil applied dry granule only).

**Active Ingredients :** 100 g / kg Hexazinone  
50 g / kg Bromacil  
50 g / kg Diuron

**Use :** For the control of a wide range of annual and perennial grasses and broad leafed weeds in commercial and industrial areas, rights of way and around agricultural buildings.

**Rate :** 40 kg / Ha. for annual weeds and 50 kg / Ha for perennial weeds as directed by the label. Maintenance rates for annuals only - 15 kg / Ha.

**Situation :** Dymac® G is ideal for use in storage areas, electrical installations, rail lines, airports and other areas where long term weed control is required, away from desirable vegetation.

**Activity :** The compounds contained in this product are an inhibitor of photosynthesis at photosystem II. This is the process by which plants manufacture foods.

The active ingredients enter the soil with sufficient rainfall and are taken up by the plant roots. They are then transported to various parts of the plant which turn yellow due to the lack of chlorophyll (green pigment). The plant becomes weakened, the leaves drop and the plant ultimately dies.

**Application Timing :** For best results, apply Dymac® G to moist soil during periods of active plant growth. Avoid application during prolonged dry periods or immediately prior to heavy rainfall events. Heavy rain immediately after application causing water to flow across the treated site, may result in the movement of product. Once light rain has carried the active ingredients into the soil, there is little likelihood of product movement. Application in winter may result in the plants being treated taking longer to produce symptoms of herbicide application.

**Behaviour In The Environment :** Both the Hexazinone and Bromacil components of Dymac® G are stable in sunlight, so that if dry conditions follow application, they remain on the soil surface until sufficient rain falls to take them into the plant root zone. Diuron is degraded by sunlight, but in the granule formulation, much of the active is protected inside the granule resulting in the diuron being available for a longer period of time.

Hexazinone and Bromacil are readily soluble and move into the soil to control the deeper rooted weeds. Diuron is less soluble and is attracted to clay particles so remains closer to the surface, ensuring good weed control, even in wet conditions.

The half life of Hexazinone in soil ranges from 1 to 6 months and break down is by microbial activity. Studies have shown that

Hexazinone is not prone to leaching or lateral movement once it has entered the soil.

The half life of Bromacil in soil is 5 to 6 months. Breakdown is primarily by microbial activity which is strongly influenced by the organic matter content of the soil.

Diuron is broken down by enzymic and microbial activity. The availability to plants and rate of breakdown is directly related to clay and organic matter content of the soil. The higher the levels, the stronger the binding of Diuron and the less active available for weed control. The duration of activity is from 4 to 8 months depending on soil type and humidity.

**Toxicity :** 1. Hexazinone - LD50 (acute oral - rats) 1690 mg/kg.  
2. Bromacil - LD50 (acute oral - rats) 5200 mg/kg  
3. Diuron - LD50 (acute oral - rats) 3400 mg/kg

Dymac® G is not harmful to humans or wildlife when used according to label directions.

**Caution :** Dymac® G may harm desirable trees and shrubs where their roots extend beneath the area being treated.

**Application Methods :** Dymac® G may be applied by shaker pack or Weed-a-metre for spot treatments and by Forestmac GHD for strip treatments or Maruyama spreader for broadcast treatments.

**DISCLAIMER:** We make every reasonable attempt to ensure the accuracy of all statements made in this brochure. However, it is impossible to know the impact our products or the advice herein may have in your situation without first speaking with you in detail. The only way we can ensure that you receive the correct products and advice and the only way you can protect against unsuccessful and/or unwanted results is to speak to us in detail concerning your circumstances and requirements and follow the recommendations / instructions which appear on all product labels. We must therefore disclaim any responsibility for all statements and advice contained herein as well as any actions you may take having read this brochure. Accordingly, we strongly recommend that you closely follow all label directions and speak with us before using any of our products or relying upon any of the advice herein.

For further information and advice, contact Macspred Australia  
ABN 85 011 029 495

**Head Office -Victoria :**

13, Kennedy's Drive, Delacombe Vic. 3350 P.O. Box 321W Ballarat West, Vic. 3350  
Phone (03) 5335 8522 Fax (03) 5335 8622  
E-mail : [vic@macspred.com.au](mailto:vic@macspred.com.au)

**New South Wales :**

"Somerset", DURi NSW 2344. Phone 1800 50 3333, Fax 1800 60 4444  
Mobile 0428 408 863  
E-mail : [geoffk@macspred.com.au](mailto:geoffk@macspred.com.au)

**Queensland :**

1/114 Postle St. Acacia Ridge, QLD 4110. P.O. Box 39 Archerfield, Qld 4108  
Phone (07) 3274 3443 Fax (07) 3274 3773  
E-mail : [qld@macspred.com.au](mailto:qld@macspred.com.au)

**South Australia :**

16 Adams St. Hindmarsh, SA 5007. Phone (08) 8346 4549 Fax (08) 8346 2299.  
E-mail : [sa@macspred.com.au](mailto:sa@macspred.com.au)