



Macspred Industrial Product information Bulletin

Product : Kromac™ Industrial Herbicide

Active Ingredients : 400 g/kg BROMACIL
400 g/kg DIURON

A group C herbicide

Use : For the control of annual and perennial weeds in the industrial weed control situation

Rate : 4.5 - 11 kg/ha for annual weeds and 9 - 22 kg/ha for perennial weeds as indicated in the directions for use section of the label.

Situation: Kromac™ is ideal for use in industrial areas such as railways, pipelines, petroleum storage depots, timber yards, storage areas, industrial plant sites, fence lines, road guardrail sites, bridge abutments and electrical installations where long term weed control is desired.

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 Kromac™ 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 : The Bromacil component of Kromac® is stable in sunlight, so that if dry conditions follow application, it remains on the soil surface until sufficient rain falls to take it into the plant root zone. Diuron is degraded by sunlight, so light rainfall soon after application or application to moist soil is desirable to ensure the best results.

Bromacil is readily soluble and moves 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 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. Bromacil - LD50 (acute oral - rats) 5200 mg/kg
2. Diuron - LD50 (acute oral - rats) 3400 mg/kg

Kromac™ is not harmful to humans or wildlife when used according to label directions.

Caution : Kromac™ may harm desirable trees and shrubs where their roots extend beneath the area being treated.

Application Methods: Kromac™ may be applied through a suitably calibrated boom spray, high volume hand gun or knapsack sprayer using water volumes as indicated on the label.

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.

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