

Environmental Information Sheet

SULTAN® 50 SC

MAPP 16680



Sultan 50 SC is a suspension concentrate formulation containing 500 g/L metazachlor, which belongs to the class of chloroacetanilide and pyrazole herbicides. Sultan 50 SC is a residual herbicide for the pre- and post-emergence control of various weeds in oilseed rape, brassicas, ornamental plant production and nursery fruit trees.

Maximum individual application rate:

Winter oilseed rape, broccoli, Brussels sprouts, cabbage, calabrese, cauliflower, ornamental trees, ornamental shrubs, nursery fruit trees and forest, spring oilseed rape, swedes and turnips	1.5L product/ha (750 g metazachlor/ha)
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Maximum total dose:

Winter oilseed rape, broccoli, Brussels sprouts, cabbage, calabrese, cauliflower, ornamental trees, ornamental shrubs, nursery fruit trees and forest, spring oilseed rape, swedes and turnips	1.5L product/ha (750 g metazachlor/ha)
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Section	Profile
1. WILDLIFE Mammals and Birds	Sultan 50 SC is not classified for toxicity to wild animals and birds. Sultan 50 SC is of low toxicity to mammals and birds. When used according to the label, no risk management is necessary to protect wild mammals and birds.
2. BEES	No risk management is necessary and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	No risk management is necessary. Sultan 50 SC poses a low risk to a range of arthropod species commonly found in and around treated fields.
4. AQUATIC LIFE	Sultan 50 SC is classified as ' <i>Very toxic to aquatic life with long lasting effects</i> '. Sultan 50 SC shows extremely high toxicity to certain aquatic organisms, especially algae and aquatic plants and so care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container. Risk management is essential. Sultan 50 SC can be used safely providing care is taken to prevent spray drift reaching surface water. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species: <i>'DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall</i>

	<i>within 5m of the top of the bank of a static or flowing water body, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.'</i>
5. SOIL and GROUND-WATER	Metazachlor, the active substance in Sultan 50 SC, shows low persistence and moderate mobility in soil. In order to prevent potential groundwater contamination, the following restriction is required for Sultan 50 SC: <i>A maximum total dose of not more than 1.0 kg metazachlor may be applied in a three-year period on the same field.</i>
Earthworms	Sultan 50 SC shows moderate toxicity to earthworms however, following application according to the label recommendations, no risk management is necessary.
Soil micro-organisms	Sultan 50 SC is unlikely to have any long term effect on soil microbial activity. The risk is therefore considered to be low and no risk management is necessary.
6. NON-TARGET PLANTS	Metazachlor is a herbicide and therefore extreme care should be taken to minimise drift of Sultan 50 SC to wild plants.

USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. FOR FURTHER PRODUCT INFORMATION INCLUDING WARNING PHRASES AND SYMBOLS REFER TO THE ADAMA AGRICULTURAL SOLUTIONS UK LTD WEBSITE (WWW.ADAMA.COM).

Care must be taken to minimise the risk of surface water contamination from farmyard and field sources.

For further information about the environmental profile of this product contact:-

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This Environmental Information Sheet was prepared in accordance with CPA Guidance notes Version 4.

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