

Environmental Information Sheet

KARATHANE LIQUID MAFF 09262



A 350 g/litre emulsifiable concentrate formulation containing dinocap, a dinitrophenyl crotonate fungicide, for use in apples, strawberries, roses and chrysanthemums. Also reduces red spider mite and apple rust mite populations.

Maximum application rate: 1.4 litres/ha (0.49 kg a.s./ha) 10 times per season

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>KARATHANE LIQUID is not classified "<i>Harmful to game, wild birds and animals</i>".</p> <p>No risk management necessary to protect wild mammals and birds. KARATHANE LIQUID is of moderate toxicity to mammals and birds.</p>
<p>2. BEES</p>	<p>No risk management necessary. KARATHANE LIQUID is of low risk to honeybees.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>Under worst case laboratory conditions KARATHANE LIQUID is toxic to predatory mites, such as <i>Typhlodromus pyri</i>, but the effect is much less under field conditions with complete recovery by the end of the season. During the time of application reduction in populations of parasitoids, such as <i>Aphidius rhopalosiphi</i>, can be expected but from one week after the last application there is potential for recolonisation. There is a low risk to predators such as ground beetles (<i>Poecilus cupreus</i>) and lace wings (<i>Chrysoperla carnea</i>).</p>
<p>4. AQUATIC LIFE</p>	<p>KARATHANE LIQUID is classified "VERY TOXIC TO AQUATIC ORGANISMS. May cause long-term adverse effects in the aquatic environment. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used containers".</p> <p>Whilst KARATHANE LIQUID has an extreme toxicity to fish and <i>Daphnia</i> (water fleas) and high toxicity to algae it may be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out: "DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 18 metres of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5 metres of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water".</p> <p>LERAP Category B. Buffer zones may be reduced (see LERAP Guidelines).</p>

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<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>Dinocap has a low persistence in soil.</p> <p>Dinocap is strongly adsorbed and not mobile in soil. Consequently there is a low risk of groundwater contamination from the use of KARATHANE LIQUID.</p> <p>KARATHANE LIQUID has a moderate toxicity and low risk to earthworms. No risk management necessary.</p> <p>No risk management necessary. At the recommended application rates KARATHANE LIQUID has negligible effects on soil microbial respiration and nitrogen transformations. The risk to soil microbial activity is therefore low.</p>
<p>6. NON-TARGET PLANTS</p>	<p>When used as recommended KARATHANE LIQUID is not expected to have adverse effects on non-target plants.</p>

ALWAYS READ THE LABEL: USE PESTICIDES SAFELY

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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