

# Environmental Information Sheet

## EPIC MAFF/MAPP 16798



A suspension concentrate formulation containing 125 g/litre epoxiconazole (triazole fungicide) for use in wheat, barley, rye, triticale and oats

Maximum individual dose: 1 litre/ha (125 g a.s./ha), Maximum total dose/crop: 2 litres/ha

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals and Birds</b></p>	<p>Epic is not classified as <i>“Harmful to game, wild birds and animals”</i>.</p> <p>No risk management necessary to protect wild mammals and birds. Epoxiconazole, the active substance in Epic, is of low toxicity to mammalian and bird species. The risk to wild mammals and birds grazing on treated areas is low, as is the risk due to exposure from other routes, e.g. consumption of earthworms or other invertebrates such as insects.</p>
<p><b>2. BEES</b></p>	<p>No risk management is necessary. Epic is of low risk to bees.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>No risk management is necessary. Epic poses a low risk to a range of arthropod species commonly found in and around treated cereal fields, e.g. ground beetles, lacewing and aphid parasitoids.</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>Epic is <i>“Very toxic to aquatic life with long lasting effects”</i>.</p> <p>Epic is of extreme toxicity to fish, algae and aquatic plants, e.g. duckweed and of high toxicity to aquatic invertebrates, e.g. water flea.</p> <p><i>“Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads”</i>.</p> <p>Risk management is essential. Epic can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out in order to ensure that there is adequate protection of aquatic species.</p> <p><i>“DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.”</i></p> <p>LERAP Category B. Buffer zones maybe reduced (see LERAP Guidelines).</p>

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<p><b>5. SOIL and GROUNDWATER</b></p> <p><b>Earthworms</b></p> <p><b>Soil Micro-organisms</b></p>	<p>No risk management necessary. Epoxiconazole is very persistent in soil with low mobility. It has been shown to remain in the top 10cm of soil and consequently there is a low risk of ground water contamination.</p> <p>No risk management necessary. Epic is of moderate toxicity to earthworms. Field studies have also demonstrated that Epic is unlikely to have any adverse effect on earthworm populations in the long-term.</p> <p>No risk management necessary. At the recommended application rate, Epic has no effects on soil microbial respiration, nitrogen turnover and on straw decomposition. The risk to soil microbial activity is therefore low.</p>
<p><b>6. NON-TARGET PLANTS</b></p>	<p><i>“Epic may cause damage to broad-leaved plant species”.</i> <i>“Avoid spray drift on to neighbouring crops”.</i></p> <p>Care should be taken to minimise the drift of Epic into conservation headlands, beetle banks and field boundaries such as hedgerows, which may provide an important habitat for wild flowers.</p>

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 [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

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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