



Biflex® Ultra Emulsion

Safety Data Sheet July 2006

An information sheet on Biflex Ultra Lo-Odour Termiticide & Insecticide Emulsion

This safety data sheet applies to the diluted Biflex emulsion which is prepared by adding the required volume of Biflex concentrate to the correct volume of water. If information is required on Biflex concentrate please refer to the Biflex MSDS.

Manufacturer

FMC Australasia Pty Ltd.
Unit 6A, 9 Archimedes Place
MURARRIE QLD 4172
Phone: 07 3908 9222
Fax: 07 3908 9221

Product Identification

Product Name: Biflex Ultra Emulsion for Termite Control in all situations.

Active constituent: 0.5 to 1.5g bifenthrin per litre of water.

Use: For the protection of structures from subterranean termite damage and for the control of termites and a range of urban pests.

Transport Information

UN Number Not required - Not a Dangerous Good.
Dangerous Goods Class Not a Dangerous Good.
Hazchem Code Not applicable.
Packing Group Not applicable.

Ingredients

Bifenthrin* 0.5 - 1.5 g/L.
Solvents 3.8 - 11.5 g/L.
Water >98 %.

Physical Description

Emulsion Appearance Thin white liquid.
Emulsion Odour Slight aromatic smell.
Leaching capabilities *Bifenthrin** is insoluble in water and binds tightly to soils, and therefore does not leach.
Water Solubility <0.0001 mg/L
Soil Binding constant $K_{oc} = 1.3 \times 10^5$ (very strong binding to soil).
Air borne residue hazard Vapour pressure (25°C) 1.81×10^{-7} mm Hg.
*Bifenthrin** has an extremely low vapour pressure therefore when used as directed, Biflex does not produce air borne residues.

*Bifenthrin is the active ingredient in the Biflex emulsion and is present at between 0.5 g/L and 1.5 g/L.

Health Hazard Information

<i>Acute effects</i>	No adverse health effects are expected if the emulsion is handled correctly by the applicator.
Swallowed	Slightly toxic if consumed in very large amounts.
Eyes	May cause slight eye irritation.
Skin	Non toxic and non irritant if contacted by skin, unless particularly sensitive.
Inhaled	Non toxic if emulsion is inhaled.
<i>Chronic effects</i>	Long term studies on Bifenthrin, the active ingredient of Biflex, showed that it was non carcinogenic and that it did not cause reproductive toxicology or teratogenicity.
First Aid	If concerned, please contact a doctor or nearest Poisons Information Centre.
If swallowed	Contact a doctor or Poisons Information Centre (Phone 131126). However, Biflex emulsion is unlikely to cause any adverse health effects unless taken in large quantities.
If on skin	Remove any contaminated clothing and wash skin with soap and water.
If in eye	Flush with water for several minutes and if irritation is present contact doctor immediately.
Toxicity	Biflex emulsion is a low toxicity substance and should not present any health hazard unless vast quantities are consumed. The availability of vast quantities should never be possible on any type of premises.

Precautions:

Do not inhale spray mist and avoid contact with skin and eyes. Keep children and pets well clear of the licensed applicator while application is in progress.

Spillage

In the case of spillage contain and absorb spilled Biflex emulsion with absorbent material such as sand, clay or cat litter and dispose of waste by depositing contaminated absorbent material in drums and sealing before safely burying the drum at an approved disposal site. Or refer to the Australian Standard 2507 - Storage and Handling of Pesticides for more detail. Wear and use prescribed protective clothing and equipment. Keep out animals and unprotected persons, especially children.

Keep Biflex emulsion out of streams, sewers, drains and other waterways. Dangerous to fish.

Other Information

When the Biflex emulsion is applied and handled in the correct manner it will not harm people or the environment.

FMC Corporation has imitated the natural pyrethrum insecticidal qualities of the *Chrysanthemum* flower to produce the synthetic pyrethroid, bifenthrin.