

## Evaluation Report for Category B, Subcategory B.2.1, 3.1, 3.12 Application

**Application Number:** 2008-1546  
**Application:** New end use product  
**Product:** Fungitrol 400SE Fungicide  
**Registration Number:** 29892  
**Active ingredients (a.i.):** 3-Iodo-2-propynyl butyl carbamate (IPB)  
**PMRA Document Number (English PDF):** 1989652

### Purpose of Application

The purpose of this application was to register a new end use product, Fungitrol 400SE Fungicide, that contains the active ingredient 3-iodo-2-propynyl butyl carbamate (iodocarb). Fungitrol 400SE Fungicide is for use as a preservative in exterior paint films, plastics, and adhesives.

### Chemistry Assessment

A chemistry assessment was not required for this application as this end use product is a 100% repack of the manufacturing concentrate.

### Health Assessments

Fungitrol 400SE Fungicide is considered to be of moderate acute toxicity via the oral route, of low toxicity via the dermal route, and of moderate acute toxicity via the inhalation route. Fungitrol 400SE Fungicide is severely irritating to the eyes, mildly irritating to skin, and considered to be a potential dermal sensitizer.

A risk assessment was not performed for Fungitrol 400SE Fungicide as the use pattern fits within the existing use profile for the active ingredient, 3-iodo-2-propynyl butyl carbamate (iodocarb). The potential exposure to mixers, loaders, applicator and the post-applicators is not expected to exceed that of registered uses. Label amendments outlining supplementary personal protective equipment (PPE), required due to toxicology signal words and hazard statements, were provided.

A food residue exposure assessment was not required for this application.

### Environmental Assessment

The active ingredient 3-iodo-2-propynyl butyl carbamate is toxic to aquatic organisms. Environmental exposure to these products through manufacturing processes can be mitigated through label statements.

Due to the use pattern as a preservative to be applied to exterior dry-film paints, adhesives and plastics, direct environmental exposure to Fungitrol 400SE Fungicide is considered to be negligible if used according to the label.

## Value Assessment

A standardized four-week laboratory test method was established and used to evaluate nine different paint samples, six different plastic samples, and two samples each of different cements and adhesives. Long term field studies, ranging from six months to two years, were carried out in New Jersey, a climate similar to much of Canada, for exterior paint dry-film. As a whole, the submitted data showed that 1000-2000 ppm of 3-iodo-2-propynyl butyl carbamate (iodocarb) was a reasonable range for the protection of exterior paint films from mildew. Plastics and adhesives required less 3-iodo-2-propynyl butyl carbamate (iodocarb) (250-1000 and 200-500 ppm a.i., respectively) to protect them from fungal degradation.

## Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support for the product, Fungitrol 400SE Fungicide, and has found the information sufficient to support its full registration.

## References

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