



## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2010-6340  
**Application:** To register a new source of technical grade active ingredient  
**Product:** Disparvirus Technical  
**Registration Number:** 24778  
**Active ingredients (a.i.):** *Lymantria dispar* Nucleopolyhedrovirus [NUG]  
**PMRA Document Number :** 2465138

### Background

Natural Resources Canada submitted an application to register a new source of technical grade active ingredient. Disparvirus<sup>®</sup> Technical contains the active ingredient, *Lymantria dispar* multicapsid nucleopolyhedrovirus (*LdMNPV*) a naturally occurring baculovirus. *LdMNPV* has been used as a microbial pest control agent for the control of gypsy moth populations in the United States and Canada. *LdMNPV* was initially registered in the US under the trade name Gypchek<sup>®</sup> (EPA no. 27586-2) and has only been applied experimentally in Canada. The same U.S. strain of *LdMNPV* was used to establish the production of Disparvirus<sup>®</sup> in Canada. The U.S. product Gypchek is being proposed as the source for Disparvirus<sup>®</sup> Technical.

### Chemistry Assessment

Disparvirus<sup>®</sup> Technical for gypsy moth larvae control is a wettable powder formulations containing the active ingredient *Lymantria dispar* Nucleopolyhedrovirus at 5.85% by weight, containing at least  $1 \times 10^{10}$  PIB/g. Insect parts are specified as an impurity at 94.15%. The review of the comparative data submitted in support of the registration of a new source of technical grade active ingredient concluded the two products Gypchek<sup>®</sup> and Disparvirus<sup>®</sup> and are considered to be equivalent.

### Health Assessments

Previously reviewed data for the initial registration decision showed that the mammalian toxicity/pathogenicity of the active ingredient *Lymantria dispar* Nucleopolyhedrovirus poses little risk to human health and safety when used as directed.

### Environmental Assessment

Based on previous reviewed information Disparvirus<sup>®</sup> Nucleo-polyhedrovirus for gypsy moth larvae control is not expected to pose an environmental risk when used at the concentrations and application rates.

## **Value Assessment**

A value assessment was not required for this application.

## **Conclusion**

The PMRA has completed an evaluation of this application and has found the information submitted sufficient to register a new source of the TGAI for Disparvirus<sup>®</sup> Technical for gypsy moth larvae control. For the sake of consistency and accuracy the product name has been updated to reflect the latest nomenclature for baculoviruses i.e from Nuclear Polyhedrosis Virus to Nulceopolyhedrovirus.

## **References**

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