

Product Review For Addition to the Sensitive Area Materials List in Massachusetts

Product Information: NuFarm Polaris AC Complete Herbicide, (EPA Reg. No. 228-570)

The [Herbicide Review Process for Sensitive Areas](#) (MDAR website for Rights-of-Way Vegetation Management)¹ provides procedures and criteria for review of new herbicide products for use within sensitive areas of Rights-of-Way (ROW). These review procedures and criteria address both the herbicide active ingredients as well as the “inert” or “other” ingredients, more specifically the surfactants.

Polaris AC Complete Herbicide is a suspension concentrate containing the active ingredient imazapyr in the form of isopropylamine salt at a concentration of 53.1% by weight (NuFarm Specialty Products; [Labels MSDS Home Page](#)).² The label and MSDS document do not specify other ingredients.

Imazapyr is a currently approved active ingredient and several herbicide products containing this active ingredient are included on the Sensitive Area Materials List ([Rights-of-Way Sensitive Area Materials List](#)). The factsheet on imazapyr provides information on environmental fate and toxicity of this active ingredient.³

There are no data available on the toxicity of the formulated product. However, the information on the other formulation ingredients was provided by the registrant. The other formulation ingredients were evaluated as part of the review process for addition to the Sensitive Area Materials List, but cannot be disclosed here for proprietary reasons. The toxicity information for the other ingredients is summarized in a separate document.⁴

After consideration of the information on the identity of the other formulation ingredients and application of the review criteria outlined in the surfactants policy for new herbicide products for use within sensitive areas of Rights-of-Way, it was concluded that these compounds are of a nature and/or present at levels in the product such that use of it as directed would not cause adverse effects to human health and the environment, and that no additional review of surfactants was required for this product.

¹ MDAR website: <http://www.mass.gov/eea/agencies/agr/pesticides/rights-of-way-vegetation-management.html>

² Polaris AC Complete Herbicide Labels and MSDS:
<http://www.cdms.net/LabelsMsds/LMDefault.aspx?pd=10779&t=>

³ [Imazapyr factsheet](#)

⁴ Evaluation of Other Ingredients in Formulation of NuFarm Polaris AC Complete Herbicide
September 2014