

## Evaluation Report for Category B, Subcategory 2.5 Application

**Application Number:** 2016-0369  
**Application:** Changes to end-use product chemistry – Formulation type  
**Product:** Helix Vibrance  
**Registration Number:** 31454  
**Active ingredients (a.i.):** Thiamethoxam, Difenconazole, Metalaxyl-M and S-isomer, Sedaxane and Fludioxonil  
**PMRA Document Number:** 2656136

### Background

Helix Vibrance (Registration Number 31454) was first registered for use in Canada in 2014 as a seed treatment on canola, rapeseed and mustard seed (condiment and oilseed) to control several fungal diseases.

### Purpose of Application

The purpose of this application is to add metal/stainless steel as a new container type for Helix Vibrance.

### Chemistry Assessment

Helix Vibrance is a suspension containing the following active ingredients: thiamethoxam (269 g/L), difenoconazole (16 g/L), metalaxyl-M and S-isomer (5 g/L), fludioxonil (1.7 g/L) and sedaxane (3.4 g/L). This product has a density of 1.30 g/mL and pH of 6.8.

The study indicates that Helix Vibrance is stable after storage for two weeks in a stainless steel vessel at 54°C. No adverse effects to the packaging were noted during the course of the study.

The chemistry requirements for Helix Vibrance have been fulfilled.

### Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

### Conclusion

The PMRA has completed a review of all available information for Helix Vibrance and found it sufficient to support the addition of metal/stainless steel as a product container type.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2601111	2015, A20477A-Content of Active Ingredients and Corrosion Characteristics in Packaging Made of Stainless Steel After Storage for 2 Weeks at 54C Final Report, DACO: 3.5.10, 3.5.14 CBI

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