

## Evaluation Report for Category B, Subcategory B.1.1 Application

**Application Number:** 2007-2010  
**Application:** Category B.1.1 – New source (site) same registrant  
**Product:** Snyder Capsicum #1  
**Registration Number:** 26477  
**Active ingredients (a.i.):** Capsaicin (0.60%) and Related Capsaicinoids (0.48%)  
**PMRA Document Number:** 1708196

### Background

Snyder Capsicum #1 is a TGAI registered for use in the manufacturing, formulating or repackaging of animal repellent products registered under the *Pest Control Products Act*.

### Purpose of Application

The purpose of this application is to update the manufacturing site and to make changes to the Statement of Product Specification Form for Snyder Capsicum #1. The manufacturer is the same as previously registered, they have simply moved locations, and there have been no changes to the manufacturing process.

### Chemistry Assessment

Accepted Name: Capsaicin (from oleoresin of capsicum) plus related capsaicinoids  
 Chemical Names:  
     Capsaicin: N-[(4-hydroxy-3-methoxyphenyl)methyl]-8-methyl-6-nonenamide  
     Dihydrocapsaicin: N-[(4-hydroxy-3-methoxyphenyl)methyl]-8-methylnonanamide  
     Nordihydrocapsaicin: N-[(4-hydroxy-3-methoxyphenyl)methyl]-7-methyloctanamide

Snyder Capsicum #1 has the following properties:

Property	Result
Colour and physical state	Dark brown to red
Nominal concentration	Capsaicin 0.60 % Related capsaicinoids from ground pepper 0.48 % (Dihydrocapsaicin and Nordihydrocapsaicin)
Odour	Very pungent
Bulk Density	0.27 g/mL
Vapour pressure	Not required for food grade material

<b>Property</b>	<b>Result</b>
Solubility in water	Insoluble in water
n-Octanol/water partition coefficient	Not required for food grade material

The chemistry requirements for Snyder Capsicum #1 are complete.

### **Health Assessment**

The change in manufacturing site did not result in any change to the composition of the product and thus did not have any impact on the toxicological profile of the product.

### **Environmental and Value Assessments**

Environmental and value assessments were not required since the use pattern remained unchanged.

### **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration.

### **References**

- 1558193      1998, Chemical and Physical Properties, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.16 CBI
- 1558189      1996, Preliminary Analysis of Capsaicin, Dihydrocapsaicin, and Nordihydrocapsaicin in Seed Saver, DACO: 2.13.2, 2.13.3, 2.14.14 CBI

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