

## Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

**Application Number:** 2010-4138  
**Application:** B.2.3 (Product chemistry - identify of formulants)  
B.2.4 (Product chemistry - proportion of formulants)  
**Product:** Captan 80 WDG Water Dispersible Granule  
**Registration Number:** 23691  
**Active ingredients (a.i.):** Captan (CAP)  
**PMRA Document Number:** 2246472

### Purpose of Application

The purpose of this application was to add an alternate formulation (Formulation 2.1) of Captan 80 WDG Water Dispersible Granule.

### Chemistry Assessment

Captan 80 WDG Water Dispersible Granule is formulated as a water-dispersible granule containing captan at a nominal concentration of 80.0%. This end-use product has a density of 0.6-0.7 g/mL and pH of 6-10. The chemistry requirements for Captan 80 WDG Water Dispersible Granule have been fulfilled.

### Health and Environmental Assessments

Health and environmental assessments were not required for this application.

### Value Assessment

A comparison of the new alternate formulation of Captan 80 WDG Water Dispersible Granule to the original formulation revealed more than a 10% overall change in formulants. Additional information was requested to demonstrate that the new formulation would provide the same level of efficacy as the original formulation with no adverse effects.

The applicant submitted a scientific rationale addressing the efficacy and adverse effects of the new formulation. The rationale states that wetting and suspending agents help disperse the active ingredient as completely as possible in the water carrier for better distribution over plant surfaces. The suspending and dispersing characteristics of the new formulation are equal to or better than the current registered formulation and the active ingredient will be deposited at the same concentration. The new formulants are chemically inert products at low concentrations in the formula with no history of phytotoxicity.

Based on the information provided, the new formulation is expected to provide equivalent efficacy compared to the original formulation with no adverse effects.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the addition of an alternate formulation of Captan 80 WDG Water Dispersible Granule.

## References

PMRA No.	Title
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2172678	2012, Chemistry-3.1.1-4,3.2.1,3.3.1,3.5.5,9,13-15-captan 80 WDG, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.2.1,3.3.1,3.5.13,3.5.14,3.5.15,3.5.9
2172679	2005, Development and Validation of an Analytical Method for the Determination of the Content of Active Ingredient in Merpan 80 WDG, DACO: 3.4.1 CBI
2172680	2007, Physico-Chemico Properties of the Formulation Merpan 80 WDG Over 2 Years at 20 C, DACO: 3.5.1,3.5.10,3.5.2,3.5.3,3.5.4,3.5.7
2172681	1996, Captan 80 WDG- Determination of Flammability, DACO: 3.5.11
2172682	1996, Captan 80 WDG- Determination of Bulk Density, DACO: 3.5.6
2172683	1996, Captan 80 WDG- Determination of Explodability of a Test Material, DACO: 3.5.12,3.5.8
2240702	2012, Merpan 80 WDG Manufacturing process, DACO: 3.2.2 CBI
2240703	2011, Development and Validation of an Analytical Method for the Determination of the Impurities PCMM, CCl4 and Folpet in the Formulation of Merpan 80 WDG, DACO: 3.4.1 CBI
2240705	2009, Chemistry-3.4-Merpan 80 WDG-active chromatogram, DACO: 3.4.1 CBI
2240707	2012, Chemistry-3.4-Merpan 80WDG-chromatogram Blank, DACO: 3.4.1 CBI
2240708	2012, Active Substance Content in Merpan 80 WDG, batch 91131278, DACO: 3.4.1 CBI
2240709	2007, Physio Chemical Properties of the Formulation Merpan 80 WDG Over 2 Years at 20 C, DACO: 3.5.10,3.5.7

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