

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 Application

Application Number: 2015-1094
Application: New EP / Product Chemistry – Guarantee; Identity and Proportion of Formulants
Product: Spud Guard 2 EC
Registration Number: 32501
Active ingredients (a.i.): Chlorpropham
PMRA Document Number: 2567614

Purpose of Application

The purpose of this application was to register a new end-use product, Spud Guard 2 EC, for application to potatoes on the packing line prior to storage or shipment.

Chemistry Assessment

Spud Guard 2 EC is formulated as an emulsifiable concentrate containing chlorpropham at a nominal concentration of 24.65%. This end-use product has a density of 0.97 g/mL and pH of 5.35. The required chemistry data for Spud Guard 2 EC have been provided, reviewed and found to be acceptable.

Health Assessments

Spud Guard 2 EC is considered to be of low oral, dermal and inhalation toxicity. It is a moderate irritant to the eye and a mild skin irritant. It is not a potential skin sensitizer.

The postharvest use of the end-use product Spud Guard 2 EC on potatoes as a sprout inhibitor is not expected to result in potential occupational or bystander exposure over the registered use of chlorpropham. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No residue data were submitted in support of the registration of the new end-use product Spud Guard 2 EC for use on potatoes. The use pattern of the end-use product was determined to be identical to that of a registered product containing chlorpropham. Previously reviewed data were reassessed in the framework of the current submission and confirmed that the use of Spud Guard 2 EC is not expected to result in an increase in the magnitude of chlorpropham residues in/on potatoes. Therefore, the use of Spud Guard 2 EC will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Value information in the form of use history was provided. The same product, Spud Guard 2 EC, has been used for over three years in the United States with similar performance to other chlorpropham products that are registered for application as a spray to cured potatoes on the packing line to control sprouting. Furthermore, based on its formulant profile, Spud Guard 2 EC can be expected to be of similar efficacy to other chlorpropham containing products registered in Canada for application to potatoes on the packing line. The registration of Spud Guard 2 EC will offer applicators an additional product option.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the registration of Spud Guard 2 EC.

References

PMRA Document Number	Reference
2514175	2012, Product Identification, DACO: 3.1.1,3.1.2,3.1.3 CBI
2514177	1999, Standard Operating Procedures No 501 (HPLC) and Chromatograms, DACO: 3.4.1 CBI
2514178	2011, Physical and Chemical Properties for Spud Guard 2 EC, DACO: 3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.6,3.5.7,3.5.8,3.5.9 CBI
2630504	2016, Enforcement Analytical Method, DACO: 3.4.1 CBI
2630505	2016, Spud Guard 2EC Determination of Physical and Chemical Properties, DACO: 3.5.1,3.5.11,3.5.2,3.5.3,3.5.6,3.5.7,3.5.9 CBI
2514179	2012, Toxicology Summary of Waiver Requests, DACO: 4.1
2514180	2012, Acute Oral Request for Waiver, DACO: 4.6.1
2514181	2012, Acute Dermal Request for Waiver, DACO: 4.6.2
2514182	2012, Acute Inhalation Request for Waiver, DACO: 4.6.3
2514183	2012, Primary Eye Request for Waiver, DACO: 4.6.4
2514184	2012, Primary Dermal Request for Waiver, DACO: 4.6.5
2514185	2012, Dermal Sensitization Request for Waiver, DACO: 4.6.6

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