

Evaluation Report for Category B, Subcategory 2.1 Application

Application Number:	2015-6037
Application:	New End-Use Product Chemistry - Guarantee
Product:	PINESTICK
Registration Number:	32816
Active ingredient (a.i.):	Surfactant Blend
PMRA Document Number	r: 2780119

Purpose of Application

The purpose of this application was to register a non-ionic nonyl phenol ethoxylate (NPE)-free spray adjuvant, PINESTICK, for use with plant growth regulators, herbicides, fungicides and insecticides.

Chemistry Assessment

PINESTICK is formulated as an emulsifiable concentrate containing a surfactant blend at a nominal concentration of 100.0%. This end-use product has a density of 0.939 - 0.943 g/mL and a pH of 7.48. The required chemistry data for PineStick have been provided, reviewed and found to be acceptable.

Health Assessments

PINESTICK is expected to be of low acute toxicity by the oral and dermal routes of exposure. It is not expected to be inhalable. The formulation is mildly irritating to the eye rabbits. It is not expected to be a skin irritant or sensitizer.

The non-ionic nonyl phenol ethoxylate (NPE)-free spray adjuvant PINESTICK in combination with the end-use products for use on non-crop land is not expected to result in increased potential occupational or bystander exposure over the registered uses of the end-use products. No health risks of concern are expected when workers follow label directions and wear the personal protective equipment as stated on the label.

The use rates of PINESTICK do not exceed the registered use rate of the non-ionic adjuvant currently listed on each tank-mix partner label. When it is used together with end-use products containing various active ingredients, no change in the magnitude of residues of the active ingredients is expected in animal commodities when feeding on treated non-crop lands (including pasture and rangeland). Therefore, dietary exposure to these active ingredients is not expected to increase, and will not pose an unacceptable risk to any segment of the populations, including infants, children, adults and seniors.



Environmental Assessment

The use of the adjuvant, PINESTICK, is not expected to pose risk to non-target organisms. Environmental concerns have been mitigated through appropriate label statements.

Value Assessment

The value information submitted consisted of three field studies in which three vegetation management herbicides were each applied with PINESTICK non-ionic spray adjuvant and compared to the same herbicides applied with registered non-ionic surfactants. The efficacy of these herbicides when applied with PINESTICK was similar to that of the same herbicides applied with the registered non-ionic spray adjuvants at the same concentration, and which is also the concentration specified on the labels of the tested herbicide products. The performance of PINESTICK can also be expected to be similar to that of other non-ionic surfactants when applied at the same concentrations with other requested vegetation management herbicides containing active ingredients belonging to the same mode of action groups as those in the tested herbicides.

The availability of PINESTICK non-ionic spray adjuvant will offer applicators an additional nonionic surfactant option for labelled vegetation management herbicide products.

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 PINESTICK.

References

PMRA	References
Document	
Number	
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2581253	2015, Accelerated Storage Stability Study for PINESTICK Non-ionic Spray Adjuvant, DACO: 3.5.10, 3.5.14 CBI
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