



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2009-4904
Application: New source of technical active ingredient by a new registrant
Product: Nufarm Chlorimuron-Ethyl Technical
Registration Number: 29924
Active ingredients (a.i.): Chlorimuron-Ethyl
PMRA Document Number : 1975233

Background

The source of Chlorimuron-ethyl used to determine chemical equivalence was Registration No. 25432.

Purpose of Application

The purpose of the this application is to register a new technical source of Chlorimuron-Ethyl.

Chemistry Assessment

Common Name: Chlorimuron-ethyl
IUPAC Chemical Name: Ethyl 2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoate
CAS Chemical Name: Ethyl 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino] sulfonyl]benzoate

Nufarm Chlorimuron-Ethyl Technical has the following properties:

Property	Result						
Colour and physical state	White solid						
Nominal concentration	96.0%						
Odour	Mild odour						
Density	1.51 g/cm ³						
Vapour pressure	5.33 x 10 ⁻⁷ mPa (at 25°C)						
pH	4.08 (1% dispersion)						
Solubility in water	<table><thead><tr><th>pH</th><th>Solubility (mg/L)</th></tr></thead><tbody><tr><td>5</td><td>9</td></tr><tr><td>7</td><td>1200</td></tr></tbody></table>	pH	Solubility (mg/L)	5	9	7	1200
pH	Solubility (mg/L)						
5	9						
7	1200						
n-Octanol/water partition coefficient	Log K _{ow} = 0.36 (pH 7)						

The chemistry requirements for Nufarm Chlorimuron-Ethyl Technical have been completed.

Health and Environmental Assessments

The health and environmental risk profile of the Nufarm Chlorimuron-Ethyl is expected to be similar to that of the precedent technical source. Additional assessments were not required.

Value Assessment

A value assessment is not required for technical grade active ingredient products.

Conclusion

The PMRA has complete an evaluation of the subject application and has determined that Nufarm Chlorimuron-Ethyl Technical is eligible for full registration.

References

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- 1913176 2010, Final Report for "Supplemental Impurity Analysis of Chlorimuron-Ethyl Technical", DACO: 2.13 CBI

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