

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2015-4096
Application: B.1.2 - New Source New Registrant
Product: Adama 2,4-D 2EH Ester Technical
Registration Number: 32856
Active ingredients (a.i.): 2,4-D (Present as Low Volatile Esters)
PMRA Document Number: 2664516

Purpose of Application

The purpose of this application was to register a new source of 2,4-D present as 2-ethylhexyl ester.

Chemistry Assessment

Common Name: 2,4-D-2-ethylhexyl
IUPAC* Chemical Name: *rac*-(2*R*)-2-ethylhexyl (2,4-dichlorophenoxy)acetate
CAS† Chemical Name: 2-ethylhexyl 2-(2,4-dichlorophenoxy)acetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

ADAMA 2,4-D 2EH Ester Technical has the following properties:

Property	Result
Colour and physical state	Yellow liquid
Nominal concentration	63.7% as 2,4-D
Odour	Sweet, slightly pungent
Density	1.148 g/mL
Vapour pressure	47.9 mPa
pH	6 – 7 (1% dilution)
Solubility in water	0.086 mg/L
n-Octanol/water partition coefficient	Log K _{ow} = 5.78

The required chemistry data for ADAMA 2,4-D 2EH Ester Technical have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

PMRA has conducted a review of the information provided in support of the new source of 2,4-D present a as 2-ethylhexyl ester. Based on the results of this review, the new source of 2,4-D present a as 2-ethylhexyl ester is acceptable.

References

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ISSN: 1911-8082

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