

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2015-7063
Application: Changes to TGAI Product Chemistry –Specifications
Product: Tralkoxydim Technical Wet Paste
Registration Number: 27596
Active ingredient (a.i.): Tralkoxydim
PMRA Document Number: 2696002

Purpose of Application

The purpose of this application was to amend the specifications of the technical product Tralkoxydim Technical Wet Paste.

Chemistry Assessment

Common Name: Tralkoxydim
IUPAC* Chemical Name: (RS)-2-[(EZ)-1-(ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-en-1-one
CAS† Chemical Name: 2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-2-cyclohexen-1-one

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Tralkoxydim Technical Wet Paste has the following properties:

Property	Result								
Colour and physical state	Colourless paste								
Nominal concentration	88.5%								
Odour	Odourless								
Density	1.13 g/mL								
Vapour pressure	0.37 µPa (at 20°C)								
pH	4-6								
Solubility in water	<table border="1"> <thead> <tr> <th>pH</th> <th>Solubility (mg/L)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>6.0</td> </tr> <tr> <td>6.5</td> <td>6.7</td> </tr> <tr> <td>9</td> <td>9800.0</td> </tr> </tbody> </table>	pH	Solubility (mg/L)	5	6.0	6.5	6.7	9	9800.0
	pH	Solubility (mg/L)							
	5	6.0							
	6.5	6.7							
9	9800.0								

Property	Result
n-Octanol/water partition coefficient	Log K_{ow} = 2.1

The required chemistry data for Tralkoxydim Technical Wet Paste have been provided, reviewed, and found to be acceptable.

Health Assessments

Exposure assessments were not required for this application.

The amendments to the specifications for Tralkoxydim Technical Wet Paste are considered toxicologically equivalent to the currently approved specifications. No toxicological data were submitted or are required at this time.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has determined that the amendment to the specification of Tralkoxydim Technical Wet Paste can be supported.

References

PMRA Document Number	References
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2594928	2015, Group A-Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Production Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits, and Enforcement Analytical Method for Tralkoxydim, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13 CBI
2678498	2013, Supplier Specification Information for [CBI REMOVED], DACO: 2.16 CBI
2678499	2013, Supplier Specification Information for [CBI REMOVED], DACO: 2.16 CBI
2695068	2016, Summary Quality Control data for Tralkoxydim-updated [CBI REMOVED], DACO: 2.13.3 CBI

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