

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2016-0784
Application: New TGAI Product Chemistry – New Source (site) New Registrant
Product: Sharda MCPA Technical
Registration Number: **34966**
Active ingredient (a.i.): MCPA (present as acid)
PMRA Document Number: 2694013

Purpose of Application

The purpose of this application was to register a new source of the active ingredient MCPA by a new registrant.

Chemistry Assessment

Common Name: MCPA
IUPAC* Chemical Name: (4-chloro-2-methylphenoxy)acetic acid
CAS† Chemical Name: 2-(4-chloro-2-methylphenoxy)acetic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda MCPA Technical has the following properties:

Property	Result	
Colour and physical state	Off-white solid	
Nominal concentration	98.97%	
Odour	Musty	
Density	1.385-1.386 g/mL	
Vapour pressure	< 0.085 mPa	
pH	3.07	
Solubility in water	<u>pH</u>	<u>Solubility (g/L)</u>
	5	1.368
	7	1.081
	9	1.056

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	1	2.714
	5	0.885
	7	-0.343
	9	-0.378

The required chemistry data for Sharda MCPA 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

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the registration of Sharda MCPA Technical.

References

PMRA Document Number	References
2606680	2016, Applicant's Name and Office Address, Formulating Plant and address, and Trade Name for Sharda MCPA Technical, DACO: 2.1, 2.2, 2.3 CBI
2606681	2016, Applicant's Name and Office Address, Formulating Plant and address, and Trade Name for Sharda MCPA Technical, DACO: 2.1, 2.2, 2.3 CBI
2606683	2016, MCPA Manufacturing Process, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2606693	2014, Analysis and Method Validation for 5 batches of MCPA Technical Material to determine the content of the active ingredient and specified impurities, in compliance with Good Laboratory Practice, DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2606694	2016, Declaration of Source of Samples for 5 Batch Analysis, DACO: 2.13.3 CBI
2606695	2015, The Analysis of Polychlorinated Dioxins and Furans, in Five Batches of MCPA, (CAS No: 94-74-6), DACO: 2.13.1, 2.13.4 CBI
2606696	2015, Analysis of MCPA Technical Material, in Compliance with Good Laboratory Practice, DACO: 2.13.1, 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.14, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.16 CBI
2670517	2016, MCPA manufacture process, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
2670518	2015, The Analysis of Polychlorinated Dioxins and Furans, in Five Batches of MCPA, (CAS No: 94-74-6), DACO: 2.13.1, 2.13.2, 2.13.4 CBI
2678087	2016, The Analysis of Polychlorinated Dioxins and Furans, in Five Batches of MCPA, (CAS No: 94-74-6) Amendment 1, DACO: 2.13.1, 2.13.2, 2.13.4 CBI

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