

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-6091
Application: Submissions Subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation
Product: Sharda Mecoprop-p Technical
Registration Number: 34548
Active ingredient (a.i.): Mecoprop-P
PMRA Document Number: 3333196

Purpose of Application

The purpose of this application was to register a new source of mecoprop-P, Sharda Mecoprop-p Technical, based on a precedent.

Chemistry Assessment

Common Name: Mecoprop-P
 IUPAC* Chemical Name: (2*R*)-2-(4-chloro-2-methylphenoxy)propanoic acid
 CAS† Chemical Name: (2*R*)-2-(4-chloro-2-methylphenoxy)propanoic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda Mecoprop-p Technical has the following properties:

Property	Result
Colour and physical state	Light brown solid
Nominal concentration	90.5 %
Odour	Weak intrinsic
Density	1.413 g/mL
Vapour pressure	1.1776 mPa at 25°C, 0.55068 mPa at 20°C
pH	2.80 (1% w/v aqueous suspension)
Solubility in water	0.77 g/L (double distilled water), 1.62 g/L (pH 4), 7.46 g/L (pH 7), 5.17 g/L (pH 9)

Property	Result
n-Octanol/water partition coefficient	log K _{ow} = 3.61 (double distilled water), 3.11 (pH 4), -0.36 (pH 7), -0.98 (pH 9)

The required chemistry data for Sharda Mecoprop-p 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 Mecoprop-p Technical.

References

PMRA Document Number	References
3186177	2020, Solubility of Mecoprop-P Technical, DACO: 2.14.7,2.14.8
3186180	2020, Determination of Partition Coefficient (n-Octanol/Water) of Mecoprop-P Technical, DACO: 2.14.11
3186181	2020, Determination of Vapour Pressure of Mecoprop-P Technical, DACO: 2.14.9
3186182	2020, Physicochemical Properties of Mecoprop-P Technical, DACO: 2.14.1,2.14.10,2.14.12,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,830.7000
3186183	2020, Stability to Normal, Elevated Temperatures, Metals, Metal Ions and Corrosion Characteristics of Mecoprop-P Technical, DACO: 2.14.13
3186185	2017, The Analysis of Polychlorinated Dioxins and Furans in Five Batches of Mecoprop-P Technical, DACO: 2.13.3,2.13.4 CBI
3186203	2020, Mecoprop-P Manufacture Process, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3186204	2016, Mecoprop-P Five Batch Study, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3330655	2016, Preliminary Studies on Five Batches of Mecoprop-P, DACO: 2.13.3 CBI
3330656	2022, Mecoprop-P Technical - determination of [CBI Removed] in five batches, DACO: 2.13.4 CBI
3330657	2022, Water Solubility of Mecoprop-P. DACO: 2.14.7

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