

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-1326
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Pace 1-MCP
Registration Number: 34547
Active ingredient (a.i.): 1-Methylcyclopropene
PMRA Document Number: 3355986

Purpose of Application

The purpose of this application was to register a new source of 1-methylcyclopropene, Pace 1-MCP, based on a precedent.

Chemistry Assessment

Common Name: 1-methylcyclopropene
IUPAC* Chemical Name: 1-methylcyclopropene
CAS† Chemical Name: 1-methylcyclopropene

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Pace 1-MCP has the following properties:

Property	Result
Colour and physical state	Colourless gas
Nominal concentration	98.5 %
Odour	Faint sweet odour
Density	0.634 g/mL at 25 °C
Vapour pressure	2×10^8 mPa at 25 °C
pH	Not applicable since the product is reactive and unstable gas
Solubility in water	pH: 7, solubility: 137 mg/L at 20-25 °C
n-Octanol/water partition coefficient	log Kow = 2.4 (pH 7)

The required chemistry data for Pace 1-MCP 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 provide and has found it sufficient to support the registration of Pace 1-MCP.

References

PMRA Document Number	References
3214764	2019, MRID 51031001 Identity, Composition, Manu, Impurities, certified limits), DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.13.4,2.3.1 CBI
3214765	2019, MRID 51031002 5 batch analysis, DACO: 2.12,2.12.1,2.13,2.13.1,2.13.2,2.13.3 CBI
3214766	2021, Pace 1-MCP Technical_Data Waiver_25MAR2021, DACO: 2.14,2.14.1,2.14.10,2.14.11,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.9 CBI
3214767	2021, water solubility, DACO: 2.14.7 CBI
3214768	2021, Solvent Solubility, DACO: 2.14.8 CBI
3214769	2021, 1-MCP Spectra, DACO: 2.14.12 CBI
3334952	2022, 1-MCP spectra, DACO: 2.14.12
3334953	2022, CIPAC 4669 IMCP, DACO: 2.13.2
3334956	2022, 2.13.4 Impurity_Scientific Rationale, DACO: 2.13.4 CBI
3334957	2022, 1-MCP FAO.pdf, DACO: 2.14.2 CBI

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