

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-4771
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Fine 1-MCP Technical
Registration Number: 33888
Active ingredients (a.i.): 1-methylcyclopropene
PMRA Document Number: 3068832

Purpose of Application

The purpose of this application was to register Fine 1-MCP Technical as a new source of 1-methylcyclopropene.

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Fine 1-MCP Technical has the following properties:

Property	Result
Colour and physical state	Colourless gas
Nominal concentration	98.93 %
Odour	Faint, sweet odour
Density	0.634 g/mL at 25°C
Vapour pressure	2×10^8 mPa
pH	N/A
Solubility in water	132 mg/L
n-Octanol/water partition coefficient	$\log K_{ow} = 2.4$ (pH 7, 20 °C)

The required chemistry data for Fine 1-MCP 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 register Fine 1-MCP Technical.

References

PMRA

Document

Number	Reference
2918992	2018, Chemistry Requirements for the TGAI 1-MCP, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2918993	2018, Manufacturing Methods for the TGAI 1-MCP, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2918994	2018, Establishing Certified Limits 1-MCP, DACO: 2.12.1 CBI
2918995	2018, Preliminary Analysis 1-MCP, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
2918996	2018, Chemical and Physical Properties 1-MCP, DACO: 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, 830.7000 CBI
2918997	2013, Analysis of 5 batches of 1-MCP technical material to determine the content of the active ingredient and specified impurities in compliance with good laboratory practice., DACO: 2.11.4, 2.14.13 CBI
2918998	2013, Validation of the method of determination of active ingredient and specified impurities in 1-MCP technical material, in compliance with good laboratory practice, DACO: 2.13.1 CBI
2918999	US EPA, 2008, 1- Methylcyclopropene (PC Code 224459) U., DACO: 2.14.3
2919001	EFSA, 2017, 1-Methylcyclopropene Volume 3 - B.2 (AS), DACO: 2.14.11, 2.14.12, 2.14.14
3032965	2009, 1-Methylcyclopropene Impurities GC method, DACO: 2.13.4
3032966	2013, Chromatogram - FAL 3100, new registration application, DACO: 2.13.2
3045730	2019, DACO 2.13.4 Impurities of Tox Concern Waiver response, DACO: 2.13.4
3045732	2019, DNA4900- 5 batch report, DACO: 2.13.4

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