

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-0586
Application: Submission Subject to Protection of Proprietary Interests in Pesticide Data Policy – Equivalency/Data Compensation Assessment
Product: Decco DMN Technical
Registration Number: 34418
Active ingredient (a.i.): 1,4-dimethylnaphthalene
PMRA Document Number: 3295100

Purpose of Application

The purpose of this application was to register a new source of technical-grade 1,4-dimethylnaphthalene based on a registered precedent.

Chemistry Assessment

Common Name: 1,4-dimethylnaphthalene
 IUPAC* Chemical Name: 1,4-dimethylnaphthalene
 CAS† Chemical Name: 1,4-dimethylnaphthalene

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Decco DMN Technical has the following properties:

Property	Result
Colour and physical state	pale yellow liquid
Nominal concentration	99.1 %
Odour	typical aromatic
Density	1.015 g/mL
Vapour pressure	1.7 Pa at 25 °C
pH	5 – 7
Solubility in water	11.34 mg/L
n-Octanol/water partition coefficient	log K _{ow} = 4.37

The required chemistry data for Decco DMN 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 it sufficient to support the registration of Decco DMN Technical.

References

PMRA

Document Number

Reference

3198951	2020, The Manufacturing Process of Decco DMN Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
3198952	2020, Method validation of 1,4- dimethylnaphthalene technical grade active ingredient (TGAI) to determine % 1,4- dimethylnaphthalene and to quantify its associated impurities, DACO: 2.13.1 CBI
3198954	2020, Analysis of five representative production batches of 1,4- dimethylnaphthalene technical grade active ingredient (TGAI) to determine % 1,4- dimethylnaphthalene and to quantify its associated impurities, DACO: 2.13.2, 2.13.3, 2.13.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3198956	2020, Decco DMN Technical and Decco DMN Aerosol Physical and Chemical Properties, DACO: 2.14.1, 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

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