Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2017-8225
Application: Submissions Subject to Protection of Propriety Interests in Pesticide Data Policy
Product: Naphthaleneacetic Acid Sodium Salt Technical
Registration Number: 33859
Active ingredient (a.i.): Naphthaleneacetic acid, present as sodium salt
PMRA Document Number: 2905067

Purpose of Application

The purpose of this application was to register Naphthaleneacetic Acid Sodium Salt Technical, a new source of the technical grade active ingredient naphthaleneacetic acid, present as sodium salt, by a new registrant based on a precedent product.

Chemistry Assessment

Common Name: Sodium 1-naphthylacetate
IUPAC* Chemical Name: Sodium 1-naphthylacetate
CAS† Chemical Name: 1-naphthaleneacetic acid sodium salt

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

Naphthaleneacetic Acid Sodium Salt Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97.51 % (87.21 % of Naphthaleneacetic acid, present as sodium salt)
Odour	Odourless
Density	0.46 g/mL
Vapour pressure	$< 2 \times 10^{-4}$ Pa (at 25˚C)
pH	9-10
Solubility in water	~35 g/100 mL (25˚C)

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Property	Result	
n-Octanol/water partition coefficient	pH	log K_{ow}
	3.0	2.51
	7.0	-0.14
	10.0	-1.22

The required chemistry data for Naphthaleneacetic Acid Sodium Salt 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 available information and has found it sufficient to register Naphthaleneacetic Acid Sodium Salt Technical, a new source of the technical grade active ingredient naphthaleneacetic acid, present as sodium salt.

References

PMRA Document Number	References
2837162	2017, Chemical Abstracts Registry Number, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2837163	2017, Manufacturing Summary, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2837166	2013, Methodology/Validation, DACO: 2.13.1 CBI
2837167	2017, Confirmation of Identity, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2837168	2013, Confirmation of Identity, DACO: 2.13.2,2.13.3,2.13.4 CBI
2837169	2017, Octanol/Water Partition Coefficient, 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

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