

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-2498
Application: Changes to Technical Grade Active Ingredient Product Chemistry
 – New Source (site) same registrant
Product: SEVIN BRAND TECHNICAL CARBARYL INSECTICIDE
Registration Number: 18463
Active ingredient (a.i.): Carbaryl
PMRA Document Number : 3384044

Purpose of Application

The purpose of this application was to register a new source of carbaryl for SEVIN BRAND TECHNICAL CARBARYL INSECTICIDE.

Chemistry Assessment

Common Name: Carbaryl
 IUPAC* Chemical Name: 1-naphthyl methylcarbamate
 CAS† Chemical Name: 1-naphthalenyl N-methylcarbamate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

SEVIN BRAND TECHNICAL CARBARYL INSECTICIDE has the following properties:

Property	Result
Colour and physical state	Colourless to light tan crystals
Nominal concentration	99.5%
Odour	Odourless
Density	0.7842 g/mL
Vapour pressure	4.16 x 10 ⁻⁵ Pa (23.5°C)
pH	4-7 (as a 1% aqueous dispersion)
Solubility in water	<u>pH</u> <u>Solubility (mg/L)</u>
	4 9.4
	7 9.1
9 7.2	
n-Octanol/water partition coefficient	log Kow = 2.36 (23°C)

The required chemistry data for SEVIN BRAND TECHNICAL CARBARYL

INSECTICIDE 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 a new source of carbaryl for SEVIN BRAND TECHNICAL CARBARYL INSECTICIDE.

References

PMRA Document Number	References
3237026	2021, Sevin Brand Technical Carbaryl Insecticide: Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits, DACO: 2.11.2,2.11.3,2.11.4,2.12.1 CBI
3237027	2021, Five Batch Analysis of Carbaryl Technical, DACO: 2.13.1,2.13.2,2.13.3 CBI

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