

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-5769
Application: Changes to the TGAI Product Chemistry – New Source (site) same registrant
Product: Sevin Brand Carbaryl Technical
Registration Number: 30614
Active ingredients (a.i.): Carbaryl
PMRA Document Number : 2540116

Purpose of Application

The purpose of this application was to add a new source to the registered product Sevin Brand Carbaryl Technical, by same registrant and to amend the product specifications.

Chemistry Assessment

Common Name: carbaryl
CAS Chemical Name: naphthalene-1-yl methylcarbamate
IUPAC Chemical Name: 1-naphthyl methylcarbamate

Sevin Brand Carbaryl Technical has the following properties:

Property	Result
Colour and physical state	Colourless to light tan crystalline solid
Nominal concentration	99.7%
Odour	Essentially odourless
Density at 20°C	0.7842 g/mL
Vapour pressure	4.16 x 10 ⁻⁵ Pa at 23.5°C
pH	4-7 (1% aqueous dispersion)
Solubility in water	120 mg/L at 20°C
n-Octanol/water partition coefficient (K _{ow})	log K _{ow} = 1.85

The chemistry requirements for Sevin Brand Carbaryl Technical have been fulfilled.

Health Assessments

Occupational and food residue assessments were not required for this application.

The changes are not expected to significantly impact the toxicological profile of the product.

Environmental Assessment

The new source of Sevin Brand Carbaryl Technical is not expected to increase the environmental impact/risk. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

A value assessment was not required for this application

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and supports the addition of a new source to the registered product Sevin Brand Carbaryl Technical and to amend the product specifications.

References

PMRA Document Number	References
2480650	2013, Description of production process & Description of materials used to produce the product for a new source of Carbaryl Technical., DACO: 2.11,2.11.1,2.11.2,2.11.3 CBI
2480651	2013, Product identity and composition, Discussion of formation of impurities & Certification of Limits for a new source of Carbaryl technical., DACO: 2.1,2.11.4,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2480652	2012, Material accountability of technical Carbaryl (AE F054158), DACO: 2.12,2.12.1,2.13,2.13.1 CBI
2480653	2014, Sevin Brand Carbaryl Technical, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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