Santé Canada Health Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-0963
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: NewAgco Trifloxystrobin Technical
Registration Number: 33623
Active ingredient (a.i.): Trifloxystrobin
PMRA Document Number : 3036612

Purpose of Application

The purpose of this application was to register a new technical-grade trifloxystrobin product, based on a registered precedent product.

Chemistry Assessment

Common Name: Trifloxystrobin
IUPAC* Chemical Name: methyl (2E)-(methoxyimino)(2-{[({(1E)-1-[3-(trifluoromethyl)phenyl]ethylidene}amino)oxy]methyl}phenyl)acetate
CAS† Chemical Name: methyl (αE)-α-(methoxyimino)-2-[[[[(1E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]benzeneacetate

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

NewAgco Trifloxystrobin Technical has the following properties:

Property	Result
Colour and physical state	Off-white powder
Nominal concentration	98%
Odour	Characteristic odor
Density	1.3677 g/cm^3 for F1 0.621 to 0.648 g/cm^3 for F2
Vapour pressure	1.64 10^{-3} mPa at 23ºC
pH	5.89 for F1 6.87 for F2

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Property	Result
Solubility in water	0.36 mg/L at 20°C for F1 1.2813 mg/L at 20ºC for F2
n-Octanol/water partition coefficient	log K_{ow} = 4.48 for F1 log K_{ow} = 3.75 for F2

The required chemistry data for NewAgco Trifloxystrobin 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 NewAgco Trifloxystrobin Technical.

References

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2858129	2017, Physical State, Appearance, Color, and Odor of Trifloxystrobin, DACO: 2.14.1,2.14.2,2.14.3 CBI
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2858133	2017, Stability of Trifloxystrobin to Normal and Elevated Temperature, Metals and Metal Ions, DACO: 2.14.13 CBI
2858135	2015, Solubility in water and organic solvents (Acetone and Dichloromethane) of Trifloxystrobin, DACO: 2.14.7,2.14.8 CBI
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2858139	2017, Chemical and Physical Characterization of Trifloxystrobin 98% TC: Solubility in Organic Solvents test, DACO: 2.14.8 CBI
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