Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.1 & 1.3 Application

Application Number: 2017-1721
Application: Changes to TGAI Product Chemistry – New Source (site), Specifications
Product: ADAMA Azoxystrobin Technical
Registration Number: 32045
Active ingredients (a.i.): Azoxystrobin
PMRA Document Number : 2851588

Purpose of Application

The purpose of this submission was to register a new source of azoxystrobin by the current registrant.

Chemistry Assessment

Common Name: azoxystrobin
IUPAC* Chemical Name: methyl (2E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate
CAS† Chemical Name: methyl (αE)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-α-(methoxymethylene)benzeneacetate

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

ADAMA Azoxystrobin Technical has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	97.5%
Odour	Odourless
Density at 20°C	1.243 – 1.332 g/mL
Vapour pressure (20.0°C)	9.41×10^{-6} Pa
pH	6-7
Solubility in water (20.0°C)	9.8 mg/L
n-Octanol/water partition coefficient	Log K_{ow} = 2.42

The required chemistry data for ADAMA Azoxystrobin Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

The new source of ADAMA Azoxystrobin Technical is toxicologically equivalent to the registered source.

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Environmental and Value Assessment

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has conducted a review of the available information and has determined that registration of a new source can be granted.

References

PMRA Document Number	Reference
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2748131	2017, Chemistry-2.1, 2.3, 2.3.1, 2.12.1-Adama Azoxy TGAI-10feb2017, DACO: 2.1,2.12.1,2.14.5,2.3,2.3.1 CBI
2748132	2015, Determination of Azoxystrobin and Impurities in Five Batches of Azoxystrobin Technical, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2748133	2016, Azoxystrobin Technical: Determination of the Physical State, Colour and Odour, DACO: 2.14.1,2.14.2,2.14.3 CBI
2748134	2013, Statement About Dissociation Constant of Azoxystrobin in Water, DACO: 2.14.10 CBI
2748135	2016, Azoxystrobin Technical: Determination of the Partition Co-efficient (n-Octanol/Water) by the Shake Flask Method, DACO: 2.14.11 CBI
2748136	2015, Azoxystrobin Technical: Determination of the UV/Visible Absorption, DACO: 2.14.12 CBI
2748137	2016, Azoxystrobin Technical: Determination of the Melting Point / Melting Range, DACO: 2.14.4 CBI
2748138	2016, Azoxystrobin Technical: Determination of the Boiling Point, DACO: 2.14.5 CBI
2748139	2016, Azoxystrobin Technical: Determination of the Relative Density, DACO: 2.14.6 CBI
2748140	2016, Azoxystrobin Technical: Determination of the Water Solubility, DACO: 2.14.7 CBI
2748141	2016, Azoxystrobin Technical: Determination of the Solubility in Organic Solvents, DACO: 2.14.8 CBI
2748142	2016, Azoxystrobin Technical: Determination of the Vapour Pressure by Isothermal Thermogravimetry, DACO: 2.14.9 CBI
2748143	2015, Product Identity Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities for MCW 403 (Azoxystrobin) Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.2,2.4,2.5,2.6, 2.7,2.8,2.9 CBI
2797970	2017, Chemistry-2.11.2-Adama Azoxy TGAI-30Aug2017, DACO: 2.11.2 CBI

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