

Evaluation Report for Category B, Subcategory 1.3, 3.13 Application

Application Number: 2015-6729
Application: Changes to Technical Product Chemistry: Specifications and Changes to Product Label: Precautions
Product: Trifloxystrobin Technical Fungicide
Registration Number: 27526
Active ingredients (a.i.): Trifloxystrobin
PMRA Document Number: 2630205

Background

Trifloxystrobin Technical is currently registered (Registration Number 27526) for use in Canada in manufacturing and formulating of pest control products.

Purpose of Application

The purpose of this application was to update the manufacturing process on file with the PMRA for Trifloxystrobin Technical Fungicide

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

Trifloxystrobin Technical Fungicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	99%
Odour	Odourless
Density	1.36 g/ml

Property	Result
Vapour pressure	3.4 x 10 ⁻⁶ Pa at 25°C
pH	7.0-9.0 (1% solution)
Solubility in water	0.61 mg/L at 25°C
n-Octanol/water partition coefficient	$\log K_{ow}$ K_{ow} 4.5 " 0.009 32000 " 680

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

Health Assessments

Occupational, bystander and dietary exposure assessments were not required for this application.

Product manufactured using the updated process is considered toxicologically equivalent to technical product manufactured using the currently registered process. New toxicological data were neither submitted nor required.

Environmental Assessment

The new manufacturing process is not expected to pose additional environmental concerns.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has completed an assessment of the available information and has determined that the updated manufacturing process for Trifloxystrobin Technical Fungicide is acceptable.

References

PMRA Document Number	Reference
2589037	2014, Trifloxystrobin - Description of the manufacturing process of the technical grade active substance for USA, DACO: 2.11,2.11.1,2.11.2,2.11.3, 2.11.4,2.2 CBI
2589038	2013, Material accountability of technical trifloxystrobin (AE C642802), DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2628117	2013, Validation of the [CBI Removed] Determination of the by-products in technical grade Trifloxystrobin (AE C642802) [CBI Removed], DACO: 2.13.1 CBI
2628118	2013, Determination of the by-products in pure and technical grade Trifloxystrobin (AE C642802) [CBI Removed], DACO: 2.13.1 CBI
2628119	2013, Determination of AE C642802 (Trifloxystrobin) in pure and technical grade materials of Trifloxystrobin (AE C642802) [CBI Removed], DACO: 2.13.1 CBI
2628120	2013, Validation [CBI Removed], Determination of AE C642802 (Trifloxystrobin) in Trifloxystrobin (AE C642802) technical and pure material [CBI Removed], DATA Requirement Regulation (EC) 1107/2009 EU Directive 544/2011 Guideline OCSPP 830.1800 [CBI Removed], DACO: 2.13.1 CBI
2628121	2013, Validation [CBI Removed] in technical grade material of Trifloxystrobin (AE C642802) [CBI Removed]), DACO: 2.13.1 CBI
2628122	2013, Determination [CBI Removed] (AE F130989) in pure and technical grade Trifloxystrobin (AE C642802) [CBI Removed] Data Requirements Regulation (EC) 1107/2009 EU Directive 544/2011 Guideline OCSPP 830.1800 [CBI Removed], DACO: 2.13.1 CBI

ISSN: 1911-8082

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