



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-1320
Application: New/Changes TGAI Prod Chemistry - New Source (site) same registrant
Product: Triflurex Trifluralin Technical
Registration Number: 18602
Active ingredients (a.i.): Trifluralin
PMRA Document Number: 2499943

Purpose of Application

The purpose of this application was to add two new manufacturing sites to this technical product.

Chemistry Assessment

Common Name: Trifluralin
IUPAC* Chemical Name: 2,6-dinitro-*N,N*-dipropyl-4-(trifluoromethyl)aniline
or
 α,α,α -trifluoro-2,6-dinitro-*N,N*-dipropyl-*p*-toluidine
CAS† Chemical Name: 2,6-dinitro-*N,N*-dipropyl-4-(trifluoromethyl)benzenamine

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Triflurex Trifluralin Technical has the following properties:

Property	Result
Colour and physical state	Yellow-orange solid
Nominal concentration	96.6%
Density	1.36 g/cm ³
Vapour pressure	6.1 mPa (at 25°C)
pH	5.0 – 9.0
Solubility in water	0.395 mg/L (pH 7)
n-Octanol/water partition coefficient	Log K _{ow} = 4.83

The chemistry requirements for Triflurex Trifluralin Technical have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The PMRA has conducted a review of the available information in support of this application and has determined that the addition of the two new manufacturing sites for Triflurex Trifluralin Technical can be supported.

References

PMRA # Reference

- 2415033 2014, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for Trifluralin Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 2415034 2014, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for Trifluralin Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 2415035 2013, Trifluralin Technical - Five Lots Analysis and Method Validation, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 2415036 2013, Trifluralin Technical - Five Lots Analysis and Method Validation, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 2423989 2014, Chemistry-2.1-2-Trifluralin TGAI-14april2014, DACO: 2.1,2.2

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