

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-1666
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Advantage Ethalfluralin Technical
Registration Number: 34585
Active ingredient (a.i.): Ethalfluralin
PMRA Document Number: 3359560

Purpose of Application

The purpose of this application was to register a new source of ethalfluralin, Advantage Ethalfluralin Technical, based on a precedent.

Chemistry Assessment

Common Name: Ethalfluralin
IUPAC* Chemical Name: *N*-ethyl-*N*-(2-methylprop-2-enyl)-2,6-dinitro-4-(trifluoromethyl)aniline
CAS† Chemical Name: *N*-ethyl-*N*-(2-methyl-2-propen-1-yl)-2,6-dinitro-4-(trifluoromethyl)benzenamine

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Advantage Ethalfluralin Technical has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	98.0%
Odour	Odourless
Density	1.41 g/mL at 20°C
Vapour pressure	158.50 mPa at 20°C 270.04 mPa at 25°C
pH	6.20 (1% solution)
Solubility in water	0.24 mg/L (pH 7)

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	5	4.81
	7	4.81
	9	4.80

The required chemistry data for Advantage Ethalfluralin 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 provide and has found it sufficient to support the registration of Advantage Ethalfluralin Technical.

References

PMRA Document Number	References
3222130	2021, DACO 2.0 for Advantage Ethafluralin Technical, DACO: 2.0,2.1,2.14.10,2.14.14,2.14.5,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3222131	2021, Manufacturing process of Ethafluralin Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3 CBI
3222132	2021, Impurities formation justification of Ethafluralin Technical, DACO: 2.11,2.11.4 CBI
3222139	2021, Five Batches Analysis of Ethafluralin Technical - Confidential Attachment, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
3222140	2021, Five Batches Analysis of Ethafluralin Technical , DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
3222141	2021, Physico-Chemical Properties of Ethafluralin Technical, DACO: 2.14,2.14.1,2.14.11,2.14.12,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7, 2.14.8,2.14.9,830.7000 CBI
3266021	2021, Five Batches Analysis of [CBI REMOVED] in Ethafluralin Technical, DACO: 2.13.4 CBI
3347961	2022, Five Batches Analysis of Ethafluralin Technical (Amendment to Final Report (No. 01)), DACO: 2.13.3 CBI
3347962	2022, Five Batches Analysis of [CBI REMOVED] in Ethafluralin Technical (Amendment to Final Report (No. 01)), DACO 2.13.4 CBI

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