

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-3573
Application: Changes to Technical Grade Active Ingredient – New Source(site) same registrant
Product: Advantage Trifluralin Technical
Registration Number: 34472
Active ingredient (a.i.): Trifluralin
PMRA Document Number: 3495071

Purpose of Application

The purpose of this application was to add a new manufacturing site to Advantage Trifluralin Technical.

Chemistry Assessment

Common Name: trifluralin
 IUPAC* Chemical Name: 2,6-dinitro-*N,N*-dipropyl-4-(trifluoromethyl)aniline
 CAS† Chemical Name: 2,6-dinitro-*N,N*-dipropyl-4-(trifluoromethyl)benzenamine

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Advantage Trifluralin Technical has the following properties:

Property	Result
Colour and physical state	traffic orange, solid
Nominal concentration	98.4%
Odour	slight perfume
Density	1.36 g/mL at 20°C
Vapour pressure	483 mPa at 20.0°C
pH	5.28
Solubility in water	< 1.0 mg/L
n-Octanol/water partition coefficient	log K_{ow} = 5.8

The required chemistry data for Advantage Trifluralin 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 the information acceptable to add a manufacturing site to Advantage Trifluralin Technical.

References

PMRA Document Number	Reference
3375683	2022, Trifluralin Technical Manufacture Process, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3375684	2022, Preliminary Analysis and Enforcement Analytical Method of Trifluralin TC - Attachment 1, DACO: 2.13.1,2.13.2,2.13.3
3375685	2022, Preliminary Analysis and Enforcement Analytical Method of Trifluralin TC - Attachment 2, DACO: 2.13.1,2.13.2,2.13.3
3375686	2022, Preliminary Analysis and Enforcement Analytical Method of Trifluralin TC - Confidential Attachment, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3375687	2022, Preliminary Analysis and Enforcement Analytical Method of Trifluralin TC, DACO: 2.13.1,2.13.2,2.13.3,2.13.4
3480808	2022, Chemical and Physical Characterization of Trifluralin TC: Color, Physical State, Odor, pH, Dissociation Constant, Density, Stability, Accelerated Storage Stability, UV-Vis, Solubility, Oxidation/reduction, Melting Point, Partition Coefficient, Flammability, Corrosion Characteristics and Vapor pressure, DACO: 2.14.15,2.14.6,830.7000
3480811	2023, Commercial Sample Statement, DACO: 2.13.3 CBI

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