

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-2889
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Advantage Triallate Technical
Registration Number: 34522
Active ingredients (a.i.): Triallate
PMRA Document Number: 3345839

Purpose of Application

The purpose of this application was to register a new source of triallate, Advantage Triallate Technical, based on a precedent product.

Chemistry Assessment

Common Name: Triallate
 IUPAC* Chemical Name: *S*-(2,3,3-trichloroallyl) diisopropylcarbamothioate
 French IUPAC* Chemical Name: Di-isopropylthiocarbamate de *S*-(trichloro-2,3,3 allyle)
 CAS† Chemical Name: *S*-(2,3,3-trichloro-2-propen-1-yl) *N,N*-bis(1-methylethyl)carbamothioate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Advantage Triallate Technical has the following properties:

Property	Result
Colour and physical state	Brown/beige
Nominal concentration	98.7%
Odour	Moderate sulfur odour
Density	1.39 g/mL at 20°C
Vapour pressure	16 mPa at 25°C
pH	6.06 (1% w/w solution)
Solubility in water	4 mg/L at 25°C

Property	Result
n-Octanol/water partition coefficient	log K _{ow} = 4.6

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

Health, Environmental and Value Assessments Environmental Assessment

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 sufficient to register Advantage Triallate Technical.

References

PMRA

Document

Number	Reference
3243099	2021, Discussion of impurities Word document, DACO: 2.11.4 CBI
3243101	2019, Product Chemistry Testing of Triallate Tech, DACO:
3243102	2019, Preliminary (5-batch) Analysis Testing of Triallate Tech, DACO:
3243103	2021, Chemical and Physical Properties of Advantage Triallate Technical :
3243105	2017, Characterization of Triallate Technical, DACO: 2.13.2 CBI
3337342	2022, Processing method of Triallate tech, DACO: 2.11 CBI
3337344	2022, Production Sample Declaration , DACO: 2.13.3 CBI

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