



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-2113
Application: Changes TGAI Product Chemistry-New Source (site) same registrant
Product: TECHNICAL INSECTICIDE (NOVALURON)
Registration Number: 28514
Active ingredient (a.i.): Novaluron
PMRA Document Number: 3392937

Purpose of Application

The purpose of this application was to add a manufacturing site to the registered product TECHNICAL INSECTICIDE (NOVALURON).

Chemistry Assessment

Common Name: Novaluron
IUPAC* Chemical Name: N-({3-chloro-4-[(2RS)-1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl} carbamoyl)-2,6-difluorobenzamide
CAS† Chemical Name: N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

TECHNICAL INSECTICIDE (NOVALURON) has the following properties:

Property	Result
Colour and physical state	White, Solid
Nominal concentration	99.2%
Odour	No odour
Density	1.56 g/mL at 22°C
Vapour pressure	1.6×10^{-5} Pascals at 25°C
pH	6.5, 1% w/v solution suspension

Property	Result
Solubility in water	3.4 µg/L at 20°C
n-Octanol/water partition coefficient	log K_{ow} = 4.3

The required chemistry data for TECHNICAL INSECTICIDE (NOVALURON) 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 it sufficient to support the addition of a new manufacturing site to TECHNICAL INSECTICIDE (NOVALURON).

References

PMRA

Document

Number	Reference
3344213	2018, Quantification of active ingredient and impurities present in five representative batches of Novaluron technical, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
3388241	2022, Detailed Manufacturing Process Novaluron Tech – Product Chemistry Report, DACO: 2.11.3, CBI

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