

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-5258
Application: Changes TGAI Product Chemistry - New Source (site)
Product: Technical Quinlorac
Registration Number: 31364
Active ingredients (a.i.): Quinlorac
PMRA Document Number: 2746772

Purpose of Application

The purpose of this application was to add a new source of Technical Quinlorac.

Chemistry Assessment

Common Name: Quinlorac
IUPAC* Chemical Name: 3,7-dichloroquinoline-8-carboxylic acid
CAS† Chemical Name: 3,7-dichloro-8-quinolinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Technical Quinlorac has the following properties:

Property	Result
Colour and physical state	Beige powder
Nominal concentration	100%
Odour	Odourless
Density at 22.9°C	1.61 – 1.75 g/mL
Vapour pressure at 20°C	<0.01 mPa
pH	3.3 – 4
Solubility in water	0.065 mg/kg (pH 7, 20°C)
n-Octanol/water partition coefficient	Log K_{ow} = -0.74 (pH 7)

The required chemistry data for Technical Quinlorac 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 PMRA has reviewed the information provided for this application and has determined that the new source of Technical Quinclorac can be supported.

References

2684039 2016, Preliminary Analysis Testing of Quinclorac Technical, DACO:
2.12,2.12.1,2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI

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