

Evaluation Report for Category D IMEP Application

Application Number: 2012-5628
Application: IMEP
Product: Nufarm Thidiazuron Technical
Registration Number: 30876
Active ingredients (a.i.): Thidiazuron (TDZ)
PMRA Document Number: 2290266
PMRA Document Number (English PDF): 2290290

Purpose of Application

The purpose of this application is to register a new technical, Nufarm Thidiazuron Technical, containing a registered active ingredient, thidiazuron, under the Importation for Manufacturing and Export Program (IMEP).

Chemistry Assessment

Common Name: Thidiazuron
Chemical Name: IUPAC: 1-phenyl-3-(1,2,3-thiadiazol-5-yl)urea
 CAS: *N*-phenyl-*N'*-1,2,3-thiadiazol-5-ylurea

Nufarm Thidiazuron Technical has the following properties:

Property	Result
Colour and physical state	Pale yellow solid
Nominal concentration	Thidiazuron ... 97.5%
Odour	Odourless
Density	0.449-0.696 g/mL, 1.52-1.61 g/cm ³ (bulk)
Vapour pressure	4 × 10 ⁻⁶ mPa
pH	6.4 (1% w/w solution)
Solubility in water	27.8 mg/L
n-Octanol/water partition coefficient	logKow = 1.77

The chemistry requirements for Nufarm Thidiazuron Technical have been completed.

Health Assessments

Thidiazuron is of low toxicity to rats via the oral, dermal and inhalation routes. It is minimally irritating to the eye and non-irritating to the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

Environmental Assessment

With an IMEP, environmental exposure may occur through spills. If spills occur, they are expected to be localized and concentrated. The information available is sufficient to provide those addressing spills to determine distribution, persistence and potential impact.

Value Assessment

Value assessment was not required for this application.

Conclusion

The PMRA has reviewed all available information and has determined that the registration of the new technical, Nufarm Thidiazuron Technical, is acceptable.

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PMRA

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