

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-3112
Application: Changes TGAI Prod Chemistry-New Source (site) same registrant
Product: Nufarm Bromoxynil Octanoate Technical
Registration Number: 21927
Active ingredients (a.i.): Bromoxynil (present as octanoate ester)
PMRA Document Number : 2545025

Purpose of Application

The purpose of this application was to add a new manufacturing site for Nufarm Bromoxynil Octanoate Technical (registration number 21927).

Chemistry Assessment

Common Name: Bromoxynil octanoate
IUPAC Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate
CAS Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate

Nufarm Bromoxynil Octanoate Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	65.5 % Bromoxynil (present as octanoate ester)
Odour	Aromatic hydrocarbon
Density @ 20°C	1.639 g/cm ³
Vapour pressure @ 40°C	< 1 × 10 ⁻⁴ mPa
pH	4.4
Solubility in water @ 20°C	1.30 mg/L
n-Octanol/water partition coefficient (K _{ow})	Log K _{ow} = 6.11 (K _{ow} = 1.29 × 10 ⁶)

The chemistry requirements for Nufarm Bromoxynil Octanoate Technical have been completed.

Health, Environmental, and Value Assessments

Health, environmental, and value assessments were not required for this

application.

Conclusion

The new manufacturing site for Nufarm Bromoxynil Octanoate Technical was approved.

References

PMRA

Document

Number	Reference
2445887	2014, 21927_Chem Summary - Report BO-RK-060814, DACO: 2.1,2.11.4,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9
2445888	2014, Method Validation Bromoxynil Octanoate TGAI, DACO: 2.13.1 CBI
2445889	2014, Physical and Chemical Characterization of Bromoxynil Octanoate TGAI, CA3071, DACO: 2.14.1,2.14.13,2.14.15,2.14.2,2.14.3,2.14.6,830.7000
2445890	2012, Manufacturing Process of Bromoxynil octanoate, DACO: 2.11.1,2.11.2,2.11.3 CBI
2445891	2014, Five-Batch Analysis of Bromoxynil Octanoate TGAI, CA3071, DACO: 2.13.2,2.13.3 CBI
2522306	2015, The synthesis of Bromoxynil octanoate - revised 2015.04.14, DACO: 2.11 CBI

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