



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-5373
Application: New/Changes TGAI or ISP Prod Chemistry-New Source (site)
same registrant
Product: Assert Technical Herbicide
Registration Number: 20567
Active ingredients (a.i.): Imazamethabenz [ASS]
PMRA Document Number : 1856198

Purpose of Application

Nufarm Agriculture Inc. has submitted an application to register two alternate sources of technical for Assert Technical Herbicide (PCP # 20567).

Chemistry Assessment

Common Name: Imazamethabenz-methyl
Chemical Name: Methyl 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-4(or 5)-methylbenzoate

Assert Technical Herbicide has the following properties:

Property	Result
Colour and physical state	white solid
Nominal concentration	96.5%
Odour	Musty odour
Specific gravity@ 20°C	0.3
Vapour pressure @ 25°C	1.5×10^{-3} mPa
pH	4.5-5.4
Solubility in water	857 - 1370 mg/kg
n-Octanol/water partition coefficient (K_{ow})	1.54 - 1.82

The chemistry requirements for Assert Technical Herbicide have been completed.

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register two alternate sources of technical for Assert Technical Herbicide.

References

Studies/Information Provided by Applicant/Registrant

1674735	2008, Product Identity and Composition RTP-08-121-REG - [CBI Removed], DACO: 2.11.1, 2.11.2, 2.11.4, 2.12.1, 3.4.1 CBI
1674736	2008, Product Identity and Composition RTP-08-122-REG - [CBI Removed], DACO: 2.11.1, 2.11.2, 2.11.4, 2.12.1, 3.4.1 CBI
1674737	2008, Method Validation, DACO: 2.13.1,2.13.2 CBI
1674739	2008, 5-Batch Analysis [CBI Removed], DACO: 2.13.2,2.13.3 CBI
1674740	2008, 5-Batch Analysis [CBI Removed], DACO: 2.13.2,2.13.3 CBI
1674741	2008, PHYSICO-CHEMICAL PROPERTIES - Imazamethabenz Pure, DACO: 2.14.10, 2.14.11, 2.14.4, 2.14.5, 2.14.7, 2.14.9 CBI
1674742	2008, PHYSICO-CHEMICAL PROPERTIES – [CBI Removed], DACO: 2.14.1, 2.14.12, 2.14.13, 2.14.2, 2.14.3, 2.14.6 CBI
1674744	2008, PHYSICO-CHEMICAL PROPERTIES - [CBI Removed], DACO: 2.14.1, 2.14.12, 2.14.13, 2.14.2, 2.14.3, 2.14.6 CBI
1674745	2008, Assert Technical Summary, DACO: 2.1, 2.14.8, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI

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