

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2016-2362
Application: New Technical Grade Active Ingredient – New Source / New Registrant
Product: NewAgco Fludioxonil Technical
Registration Number: 35204
Active ingredient (a.i.): Fludioxonil
PMRA Document Number: 2718739

Purpose of Application

The purpose of this application was to register NewAgco Fludioxonil Technical, a new source of the active ingredient fludioxonil by a new registrant.

Chemistry Assessment

Common Name: Fludioxonil
IUPAC* Chemical Name: 4-(2,2-difluoro-2*H*-1,3-benzodioxol-4-yl)-1*H*-pyrrole-3-carbonitrile
CAS† Chemical Name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1*H*-pyrrole-3-carbonitrile

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Fludioxonil Technical has the following properties:

| Property | Result |
|---------------------------------------|---------------------------------------|
| Colour and physical state | Yellow solid |
| Nominal concentration | 99.6% |
| Odour | No characteristic odour |
| Density | Relative density (d_4^{20})=1.116 |
| Vapour pressure | 0.00039 mPa at 25°C |
| pH | 6.62 (1% w/v) |
| Solubility in water | 1.4 mg/L at 25°C |
| n-Octanol/water partition coefficient | Log K_{ow} = 3.02 (pH 5.5) |

The required chemistry data for NewAgco Fludioxonil Technical 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 the information sufficient to support the registration of NewAgco Fludioxonil Technical.

References

| PMRA Document Number | Reference |
|-----------------------------|---|
| 2637670 | 2016, Chemistry, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI |
| 2637671 | 2015, Manufacture Process, DACO: 2.11.1,2.11.2,2.11.3 CBI |
| 2637672 | 2014, Purity Profile of 5 Batches of Fludioxonil Technical, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI |
| 2637673 | 2014, Purity Profile of 5 Batches of Fludioxonil Technical - Confidential Attachment, DACO: 2.11.4,2.12.1,2.13.1,2.13.2,2.13.3 CBI |
| 2637674 | 2015, Physical and chemical Properties of one batch of Fludioxonil TC, DACO: 2.14.1,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6, 2.14.7,2.14.8,2.14.9,830.7000 CBI |

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