Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-4000
Application: B.1.1, New TGAI Product Chemistry-New Source (site) same registrant
Product: Goal Technical Herbicide 99%
Registration Number: 27000
Active ingredients (a.i.): Oxyfluorfen (OXR)
PMRA Document Number: 1834939

Purpose of Application

The purpose of this application was to add a new source of technical, Goal Technical Herbicide 99%, by the same registrant.

Chemistry Assessment

Common Name: Oxyfluorfen
Chemical Name: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene

Goal Technical Herbicide 99% has the following properties:

Property	Result
Colour and physical state	Beige-orange solid
Nominal concentration	99%
Odour	Similar to smoke
Density	1.4-1.6 g/cm^3
Vapour pressure	0.0267 mPa (at 25°C)
pH	5.9-9.1
Solubility in water	0.092 mg/L (20°C) 0.116 mg/L (25°C)
n-Octanol/water partition coefficient	Log K_{ow} = 4.47

The chemistry requirements for Goal Technical Herbicide 99% have been completed.

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Health Environmental Value Assessments

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

Conclusion

The PMRA has conducted a review of the available information for this application and has concluded that the addition of the new source of technical by the same registrant is acceptable.

References

Studies/Information Provided by Applicant/Registrant

1320772 1999, Product Chemistry Series 830 Group: Physical and Chemical Characteristics of Goal High Purity Technical Grade Active Ingredient., DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.14, 2.14.2, 2.14.3, 2.14.4, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.16 CBI

1648324 2007, Manufacturing Methods for TGAI, Oxyfluorfen, DACO: 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.11, 2.12.2 CBI

1648325 2007, 2.13.1 - 2.13.3 Methodology, Validation, Confirmation of Identity & Batch Data, Oxyfluorfen, DACO: 2.13.1 CBI

1648326 2001, 2.13.1 Analytical Method, Oxyfluorfen, DACO: 2.13.1 CBI

1648329 2007, Colour, PS & Odor, Oxyfluorfen Technical, DACO: 2.14.1, 2.14.2, 2.14.3 CBI

1648330 2007, Partition Coefficient Octanol-Water, Oxyfluorfen, DACO: 2.14.11 CBI

1648331 2007, Stability (Temp, Metals), Oxyfluorfen, DACO: 2.14.13 CBI

1648333 2007, Melting Point, Oxyfluorfen, DACO: 2.14.4 CBI

1648334 2007, Density, Oxyfluorfen, DACO: 2.14.6 CBI

1648335 2007, Water Solubility, Oxyfluorfen, DCAO: 2.14.7 CBI

1648336 2007, Solubility in Organic Solvents, Oxyfluorfen, DACO: 2.14.8 CBI

1648338 2007, 2.16 - Corrosivity, Oxyfluorfen, DACO: 2.16 CBI

1648339 2007, 2.16 - pH, Oxyfluorfen, DACO: 2.16 CBI

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