



Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2014-0122
Application: B.4.6 – Fulfill the Conditions of Full Registration
Product: Pyroxsulam Technical Herbicide
Registration Number: 28886
Active ingredients (a.i.): Pyroxasulam
PMRA Document Number: 2499495

Purpose of Application

The purpose of this application was to fulfill the condition of registration (commercial-scale batch data) for Pyroxsulam Technical Herbicide.

Chemistry Assessment

Common Name: Pyroxsulam

IUPAC Chemical Name: *N*-(5,7-dimethoxy[1,2,4]triazolo[1,5-*a*]pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl)pyridine-3-sulfonamide

CAS Chemical Name: *N*-(5,7-dimethoxy[1,2,4]triazolo[1,5-*a*]pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl)-3-pyridinesulfonamide

Pyroxsulam Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.0%
Odour	Spicy odour
Density at 20°C	1.618 g/cm ³
Vapour pressure at 25°C	< 1 × 10 ⁻⁷ Pa
pH	4.06 at 24.4°C (1% solution)
Solubility in water	3.20 g/L (pH 7)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = -1.01 at pH 7

The chemistry requirements for Pyroxsulam Technical Herbicide have been fulfilled.

Health, Environmental and Value Assessment

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

Conclusion

The PMRA has reviewed the information provided in support of this application. Based on this review, the condition of full registration of Pyroxsulam Technical Herbicide has been satisfactorily addressed.

References

2380206	2013, Pyroxsulam: 5-Batch Analysis, DACO: 2.13.3 CBI
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