

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-3355
Application: B.1.1 - New Source (manufacturing site) - Same Registrant
Product: Pyroxasulfone Technical
Registration Number: 30573
Active ingredients (a.i.): Pyroxasulfone
PMRA Document Number : 2523446

Purpose of Application

The purpose of this application was to add two new manufacturing sites by the same registrant to the currently registered product Pyroxasulfone Technical.

Chemistry Assessment

Common Name: Pyroxasulfone
IUPAC Chemical Name: 3-[(5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)pyrazol-4-ylmethylsulfonyl]-4,5-dihydro-5,5-dimethyl-1,2-oxazole
CAS Chemical Name: 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole

Pyroxasulfone Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal guarantee	99.2%
Odour	Slight characteristic odour
Density	1.60 g/cm ³
Vapour pressure	2.4 x 10 ⁻⁶ Pa (estimated at 25°C)
pH	5.03
Dissociation Constant	N/A
Solubility in water	3.49 mg/L (at 20°C)
n-Octanol/water partition coefficient	Log K _{ow} = 2.39 (at 25°C, pH 8.7)

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has reviewed the information provided in support of the addition of the 2 new

manufacturing sites to Pyroxasulfone Technical. PMRA has determined these 2 new manufacturing sites are acceptable for full registration.

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- 1817245 2009, Pyroxasulfone Technical: Product Identity, Composition, Starting Materials, Product Process and Formation of Impurities - Revision 1, DACO: 2.11.1, 2.11.3, 2.11.4
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ISSN: 1911-8082

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