

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2007-8482
Application: Changes to the technical grade active ingredient specifications.
Product: Fenpropimorph Technical
Registration Number: 24627
Active ingredients (a.i.): Fenpropimorph
PMRA Document Number: 1725366

Purpose of Application

The purpose of this application is to amend the original chemical specification form for the product Fenpropimorph Technical.

Chemistry Assessment

Common Name: Fenpropimorph

IUPAC Chemical Name: *cis*-4-[(*RS*)-3-(4-*tert*-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine

CAS Chemical Name: (2*R*,6*S*)-*rel*-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine

Fenpropimorph Technical has the following properties:

Property	Result										
Colour and physical state	Colourless liquid										
Nominal concentration	96.0 %										
Odour	Faint aromatic										
Density	0.933 g/cm ³										
Vapour pressure	3.5 mPa at 20°C										
pH	8.2 – 8.6										
Solubility in water	4.3 mg/L in pH 7 water at 20°C										
n-Octanol/water partition coefficients	<table border="0"> <thead> <tr> <th><u>pH</u></th> <th><u>log Kow</u></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2.6</td> </tr> <tr> <td>7</td> <td>4.1</td> </tr> <tr> <td>9</td> <td>4.4</td> </tr> <tr> <td>distilled water</td> <td>3.6</td> </tr> </tbody> </table>	<u>pH</u>	<u>log Kow</u>	5	2.6	7	4.1	9	4.4	distilled water	3.6
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5	2.6										
7	4.1										
9	4.4										
distilled water	3.6										

Health Assessments

A health assessment was not required.

Environmental Assessment

An environmental assessment was not required.

Value Assessment

A value assessment was not required.

Conclusion

The PMRA has completed an assessment of available information for Fenpropimorph Technical and has found the information sufficient to support the registration.

References

No new studies were submitted with this submission.

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