

Evaluation Report for Category B, Subcategory B.1.3 Application

Application Number: 2008-5311
Application: B.1.3 (Changes to product chemistry - specifications)
Product: Polyphase P100
Registration Number: 21750
Active ingredients (a.i.): Iodocarb (IPB)
PMRA Document Number (English PDF): 1833616

Purpose of Application

The purpose of this application is to change the proportion of impurities in the TGAI Polyphase P100 (Registration Number 21750). The revised formulation reflects upgrades of manufacturing equipment which results in revised impurity limits.

Chemistry Assessment

Common Name: Iodocarb (not ISO approved)
Chemical Name: 3-iodo-2-propynyl butyl carbamate

Polyphase P100 has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.00%
Odour	Mild characteristic odour
Density @ 20°C	1.51-1.57 g/mL
Vapour pressure @ 20°C	$< 2.3 \times 10^{-4}$ Pa
pH	7.01
Solubility in water	156 ppm
n-Octanol/water partition coefficient (K_{ow})	$\log K_{ow} = 2.81$ (estimated)

The chemistry requirements for Polyphase P100 have been completed.

Health Assessments

The changes to the proportion of impurities are not of toxicological concern.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has completed the assessment of the provided data and are able to support the change in the proportion of impurities in Polyphase P100.

References

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