



Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2023-3781
Application: Fulfill Conditions of Registration
Applicant: ISK Biosciences Corp.
Product: Technical Isofetamid Fungicide
Registration Number: 31556
Active ingredient (a.i.): Isofetamid
PMRA Document Number: 3621701

Purpose of Application

The purpose of this application was to fulfill the Section 12 Notice post-market data requirements for commercial-scale batch data for Technical Isofetamid Fungicide.

Chemistry Assessment

Common Name: Isofetamid
IUPAC* Chemical Name: *N*-[1,1-dimethyl-2-(4-isopropoxy-2-methylphenyl)-2-oxoethyl]-3-methylthiophene-2-carboxamide
CAS† Chemical Name: *N*-[1,1-dimethyl-2-[2-methyl-4-(1-methylethoxy)phenyl]-2-oxoethyl]-3-methyl-2-thiophenecarboxamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Technical Isofetamid Fungicide has the following properties:

Property	Result
Colour and physical state	Pale brown solid
Nominal concentration	98.6%
Odour	Odourless
Density	1.18 at 21°C
Vapour pressure	4.2×10^{-7} Pa
pH	6.8 (1% dispersion)
Solubility in water	5.33 mg/L

Property	Result
n-Octanol/water partition coefficient	log K _{ow} = 2.5

The required chemistry data for Technical Isofetamid Fungicide have been provided, reviewed, and found to be acceptable.

Health, Environmental, and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to fulfill the post-market data requirements for Technical Isofetamid Fungicide.

References

PMRA

Document

Number

Reference

3489136	2022, IKF-5411 technical: Five-batch analysis, DACO: 2.13.3 CBI
3617474	2022, IKF-5411 technical: Analytical method validation (Determination of active ingredient, impurities and residual solvents), DACO: 2.13.1 CBI

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