

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-2708
Application: New TGAI (Product Chemistry) - New source, same registrant
Product: Technical Isofetamid Fungicide
Registration Number: 31556
Active ingredient (a.i.): Isofetamid
PMRA Document Number: 3009284

Purpose of Application

The purpose of this application was to register a new source for the technical grade active ingredient isofetamid by the current registrant.

Chemistry Assessment

Common Name: Isofetamid
IUPAC* Chemical Name: *N*-[1,1-dimethyl-2-(4-isopropoxy-*o*-tolyl)-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
Specific gravity	1.18 at 21°C
Vapour pressure	4.2×10^{-7} Pa
pH	6.8 (1% dispersion)
Solubility in water	5.33 mg/L
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.

Since this technical product is manufactured only at pilot scale before registration, five-batch data representing commercial scale production will be required as postmarket information after registration.

Value, Health and Environmental Assessments

Value, health and environmental 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 sufficient to support the new source for Technical Isofetamid Fungicide.

References

PMRA Document Number	Reference
2896440	2017, IKF-5411 Technical: Five-Batch Analysis (Source: [Privacy Removed]), DACO: 2.13.3 CBI
2896441	2018, Technical Isofetamid PART 2. 2.1-2., DACO: 2.2 CBI
2896442	2018, Product Chemistry Studies for Technical Isofetamid (IKF-5411) - Amendment, 61 Series, DACO: 2.11,2.11.1,2.11.2,2.11.3 CBI
2896443	2017, IKF-5411 Technical: Five-Batch Analysis (Source: [Privacy Removed]), DACO: 2.13.3 CBI
2903746	2018, Technical Isofetamid Manufacturing Information – [Privacy Removed] Site, DACO: 2.13.3 CBI
2903747	2018, Technical Isofetamid Manufacturing Information – [Privacy Removed] Site, DACO: 2.13.3 CBI
3005376	2019, Technical Isofetamid Production QC data - [Privacy Removed], DACO: 2.13.3 CBI
3005377	2019, Technical Isofetamid Production QC data - [Privacy Removed], DACO: 2.11.2 CBI

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