

Evaluation Report for Category B, Subcategory 2.6 Application

Application Number: 2010-4352
Application: B.2.6 (Product Chemistry – new combination of TGAIs)
Product: Twinline Bulk Fungicide
Registration Number: 30338
Active ingredients (a.i.): Metconazole (GHA), Pyraclostrobin (PYA)
PMRA Document Number English PDF: 2123364

Purpose of Application

The purpose of this application was to register a new manufacturing concentrate with a new combination of two active ingredients. The active ingredients are metconazole (Registration Number 29766) and pyraclostrobin (Registration Number 27321).

Chemistry Assessment

Twinline Bulk Fungicide is formulated as an emulsifiable concentrate containing pyraclostrobin at a nominal concentration of 130.0 g/L and metconazole at a nominal concentration of 80.0 g/L. This product has a density of 1.08 g/mL and pH of 5.6. The chemistry requirements for Twinline Bulk Fungicide are complete.

Health Assessments

Twinline Bulk Fungicide was of high acute toxicity in rats via the oral route ($LD_{50} > 50$ mg/kg bw < 300 mg/kg bw), low acute toxicity by the dermal route ($LD_{50} > 5000$ mg/kg bw) and slight toxicity by the inhalation route ($LC_{50} = 0.88$ mg/L) in rats. This product is severely irritating to the eyes and mildly irritating to the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has completed an assessment of the available data and is able to support the full registration of the new manufacturing concentrate Twinline Bulk Fungicide.

References

PMRA

Document Number

Reference

1955457	2006, BAS 556 01 F fungicide: Group A - product identity, composition, and analysis, DACO: 3.2.1,3.2.2,3.2.3,3.3.1 CBI
1955459	2005, Method AFR0039/01: BAS 556 F: Determination of Metconazole and/or Pyraclostrobin content in technical grade material and fomulations by HPLC, DACO: 3.4.1 CBI
1955466	2008, BAS 556 01 F: Storage stability and corrosion characteristics in commercial type containers, DACO: 3.5.10,3.5.14
1955467	2010, DACO 354 355 35 13 35 15, DACO: 3.5.13,3.5.15,3.5.4,3.5.5
1955469	2006, BAS 556 01 F: Determination of oxidizing/reducing action, DACO: 3.5.8
1955471	2006, BAS 556 01 F: Determination of physical state, pH, explodability, relative density, flammability, and viscosity., DACO: 3.5.1,3.5.11,3.5.12,3.5.2,3.5.4,3.5.6,3.5.7,3.5.9
1955473	2006, BAS 556 UG F - Acute oral toxicity study in rats, DACO: 4.6.1
1955474	2006, BAS 556 UG F - Acute dermal toxicity study in rats, DACO: 4.6.2
1955475	2005, BAS 556 UG F - Acute inhalation toxicity in Wistar rats - 4-hour liquid aerosol exposure, DACO: 4.6.3
1955476	2006, BAS 556 UG F - Acute eye irritation in rabbits, DACO: 4.6.4
1955477	2006, BAS 556 UG F - Acute dermal irritation / corrosion rabbits, DACO: 4.6.5
1955478	2006, BAS 556 UG F - Modified BUEHLER test (9 inductions) in guinea pigs, DACO: 4.6.6

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