

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-0972
Application: New Technical Grade Active Ingredient (Product Chemistry) -
 New source, same registrant
Product: Dicamba 98 Technical Herbicide
Registration Number: 33461
Active ingredient (a.i.): Dicamba (present as acid, amine salt, ester, potassium salt, or sodium salt)
PMRA Document Number: 2991540

Purpose of Application

The purpose of this application was to register Dicamba 98 Technical Herbicide, a new source of technical dicamba.

Chemistry Assessment

Common Name: Dicamba
IUPAC* Chemical Name: 3,6-dichloro-*o*-anisic acid
 or
 3,6-dichloro-2-methoxybenzoic acid
CAS† Chemical Name: 3,6-dichloro-2-methoxybenzoic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Dicamba 98 Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.59%
Odour	Characteristic
Density	0.8–1.0 g/cm ³ (at 20 °C)
Vapour pressure	3.14 mPa (at 23 °C)
pH	1.5–3.5 (1% aqueous)
Solubility in water	5.26 g/L (at 20 °C)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 0.316

The required chemistry data for Dicamba 98 Technical Herbicide have been provided, reviewed, and found to be acceptable.

Health, Value and Environmental Assessments

Health, value 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 registration of Dicamba 98 Technical Herbicide.

References

PMRA Document Number	Reference
2858286	2018, Chemical Abstracts Registry Number, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2858287	2017, Manufacturing Summary, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.4 CBI
2858289	2015, Confirmation of Identity, DACO: 2.13.1,2.13.2,2.13.3 CBI
2858290	2015, Confirmation of Identity, DACO: 2.13.1,2.13.2,2.13.3 CBI
2858291	2015, Confirmation of Identity, DACO: 2.13.1,2.13.2,2.13.3 CBI
2858292	2015, Confirmation of Identity, DACO: 2.13.1,2.13.2,2.13.3 CBI
2858293	2015, Odour, DACO: 2.14.1,2.14.2,2.14.3 CBI
2858294	2015, Dissociation Constant, DACO: 2.14.10 CBI
2858295	2015, Octanol/water Partition Coefficient, DACO: 2.14.11 CBI
2858297	2015, UV/visible Absorption Spectra, DACO: 2.14.12 CBI
2858298	2015, Stability (Temperature, Metals), DACO: 2.14.13 CBI
2858300	2015, (pH), DACO: 2.14.15,830.7000 CBI
2858301	2015, Melting Point/Melting Range, DACO: 2.14.4 CBI
2858303	2015, Density or Specific Gravity, DACO: 2.14.6 CBI
2858304	2015, Solvent Solubility (mg/L), DACO: 2.14.7,2.14.8 CBI
2858306	2015, Vapour Pressure, DACO: 2.14.9 CBI
2937732	2018, Detailed Production Process Description, DACO: 2.11.3,2.13.4 CBI
2985042	2019, Response to Clarification Request

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