

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2019-0604
Application: Changes TGAI Product Chemistry-New Source (site), same registrant
Product: NewAgco Clopyralid Technical
Registration Number: 33106
Active ingredient (a.i.): Clopyralid
PMRA Document Number : 3197070

Purpose of Application

The purpose of this application was to add a new manufacturing site for the technical-grade product, NewAgco Clopyralid Technical.

Chemistry Assessment

Common Name: Clopyralid
 IUPAC* Chemical Name: 3,6-dichloropyridine-2-carboxylic acid
 CAS† Chemical Name: 3,6-dichloro-2-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Clopyralid Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98%
Odour	Odourless
Density	1.7334 g/mL
Vapour pressure	1.36 mPa (25 °C)
pH	1.61
Solubility in water	<u>pH</u>
	Distilled
	<u>Solubility (g/L)</u>
	7.850
	1180
	1430
	1570

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	5	-1.81
	7	-2.63
	9	-2.55
	Un-ionized water	1.07

The required chemistry data for NewAgco Clopyralid Technical 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 it sufficient to add the new manufacturing site of NewAgco Clopyralid Technical.

References

PMRA Document Number	Reference
2962332	2019, Manufacturing process for Clopyralid TC, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2962333	2016, Preliminary Analyses of Five Representative Production Batches of Clopyralid Technical Grade Active Ingredient (TGAI) to Determine Percent Clopyralid and to Quantify its Associated Impurities, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
2962334	2016, Determination of Physical-chemical Properties of Clopyralid, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7, 2.14.8,2.14.9,830.7000 CBI
3194444	2017, Determination of [CBI Removed] in Clopyralid, DACO: 2.13.4 CBI

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