

## Evaluation Report for Category B, Subcategory 1.2 Application

**Application Number:** 2016-3083  
**Application:** New TGAI: New source of technical, new registrant  
**Product:** TeraGro Triclopyr Technical Herbicide  
**Registration Number:** 33048  
**Active ingredients (a.i.):** Triclopyr, present as butoxyethyl ester  
**PMRA Document Number:** 285152

### Purpose of Application

The purpose of this application was to register TeraGro Triclopyr Technical Herbicide; a new source of triclopyr, present as butoxyethyl ester.

### Chemistry Assessment

Common Name: Triclopyr, present as butoxyethyl ester  
IUPAC\* Chemical Name: 2-butoxyethyl 3,5,6-trichloro-2-pyridyloxyacetate  
CAS† Chemical Name: 2-butoxyethyl 2-[(3,5,6-trichloro-2-pyridinyl)oxy]acetate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

TeraGro Triclopyr Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Light yellow / brown liquid
Nominal concentration	70.0%
Odour	Sweet alcoholic
Density at 25°C	1.30 g/mL
Vapour pressure at 25°C	0.48 mPa
pH	5.64
Solubility in water at 25°C	6.81 mg/L

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K<sub>ow</sub></u>
	5	0.42
	7	-0.45
	9	-0.96

The required chemistry data for TeraGro Triclopyr Technical Herbicide 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 sufficient to support the registration of TeraGro Triclopyr Technical Herbicide.

## References

### PMRA

#### Document Number

#### Reference

2675041	2016, Manufacturing Process for Triclopyr Butoxy Ethyl Ester Technical, DACO: 2.11.2,2.11.3,2.13.4 CBI
2675042	2015, Qualitative and Quantitative Profile of the Test Substance AIM 001 T (Five Batch Analysis), DACO: 2.13.3 CBI
2735499	2017, 2.11.3 Detailed Production Process, DACO: 2.11.3 CBI
2735501	2017, 2.11.4 Formation of Impurities, DACO: 2.11.4 CBI
2735505	2017, 2.13.4 Impurities, DACO: 2.13.4 CBI
2735506	2017, 2.11.4 Enclosure #1 Discussion on Formation of Impurities, DACO: 2.11.4 CBI
2735507	2007, 2.13.4 Enclosure #2 - Triclopyr Toxicology Profile, DACO: 2.13.4 CBI
2735508	1996, 2.13.4 Enclosure #3 - TBEE Risk Assessment US, DACO: 2.13.4 CBI
2735509	1996, 2.13.4 Enclosure #4 - USDA TBEE Information Profile, DACO: 2.13.4 CBI
2738304	2017, 170309 Response to PMRA Clarification E-mail, DACO: 2.11.3,2.13.4 CBI
2742594	2017, 2.13.4 Impurities, DACO: 2.13.4 CBI
2755123	2017, 2.13.4 Impurities, DACO: 2.13.4 CBI
2800916	2017, 2.13.4 Impurities - Study Report for [CBI Removed], DACO: 2.13.4 CBI
2800917	2017, 2.13.4 Study Plan Amendment for G14916, DACO: 2.13.4 CBI

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