

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2012-0432  
**Application:** New site by same registrant  
**Product:** Albaugh 2,4-D Technical Acid Herbicide  
**Registration Number:** 27437  
**Active ingredients (a.i.):** 2,4-D present as acid  
**PMRA Document Number :** **2229134**

### Purpose of Application

The purpose of this application was to add a new manufacturing site for Albaugh 2,4-D Technical Acid Herbicide.

### Chemistry Assessment

**Common Name:** 2,4-D  
**IUPAC Chemical Name:** (2,4-dichlorophenoxy)acetic acid  
  
**CAS Chemical Name:** 2-(2,4-dichlorophenoxy)acetic acid

Albaugh 2,4-D Technical Acid Herbicide has the following properties:

Property	Result
Colour and Physical state	White crystalline solid powder
Odour	Phenolic odour
Nominal Concentration	98.2%
Density	1.415-1.417 kg/L at 20°C
Solubility in water	23 g/L (pH 7)
Vapour pressure	$1.86 \times 10^{-2}$ mPa at 25°C
pH	2.9
Octanol/water partition coefficient	$\log K_{ow} = 0.75$ (pH 7)

The chemistry requirements for Albaugh 2,4-D Technical Acid Herbicide have been completed.

### Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

## Conclusion

The PMRA has reviewed the information provided and has determined the new site of manufacture of Albaugh 2,4-D Technical Acid Herbicide is acceptable.

## References

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- 2154600 2011, [CBI REMOVED] 2,4-D Technical Acid Product Identity and Composition, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1
- 2154601 2011, [CBI REMOVED] 2,4-D Technical Acid Product Identity and Composition, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
- 2154602 2009, Qualitative and Quantitative Profile of the Test substance 2,4-D TECHNICAL (Five Batch Analysis), DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
- 2154607 2009, Qualitative and Quantitative Profile of the Test substance 2,4-D TECHNICAL (Five Batch Analysis), DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
- 2218564 2009, Chemistry-2.13.4-2,4-D Acid TGAI-27august2012-dioxin standard data, DACO: 2.13.4 CBI
- 2218566 2009, Chemistry-2.13.4-2,4-D Acid TGAI-27august2012-dioxin in 2,4-D sample, DACO: 2.13.4 CBI
- 2218567 2012, Chemistry 2.13.1,2.13.3-4-2,4-D Acid TGAI-27august2012-clarification, DACO: 2.13.1, 2.13.3, 2.13.4 CBI

ISSN: 1911-8082

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