

## Evaluation Report for Category B Subcategory 1.1 Application

**Application Number:** 2010-2094  
**Application:** Changes to the technical grade active ingredient – new source (site) same registrant  
**Product:** 2,4-D Butoxy Ethanol Esters  
**Registration Number:** 16990  
**Active ingredients (a.i.):** 2,4-D, present as butoxyethyl ester  
**PMRA Document Number English PDF:** 1974227

### Purpose of Application

The purpose of this application was to add a second manufacturing site to the currently registered product 2,4-D Butoxy Ethanol Esters, Registration Number 16990.

### Chemistry Assessment

IUPAC Chemical Name: 2-butoxyethyl (2,4-dichlorophenoxy)acetate

CAS Chemical Name: acetic acid, 2-(2,4-dichlorophenoxy)-, 2-butoxyethyl ester

2,4-D Butoxy Ethanol Esters has the following properties:

Property	Result
Colour and physical state	Dark amber liquid
Nominal concentration	66.4% acid equivalent
Odour	Characteristic, phenolic esters
Specific gravity	1.225
Vapour pressure	0.32 mPa (at 25°C)
pH	N/A
Solubility in water	N/A (not expected to be soluble in water)
n-Octanol/water partition coefficient	$\log K_{ow} = 4.35$

The chemistry requirements for 2,4-D Butoxy Ethanol Esters have been completed. However, commercial-scale production batch data for the proposed source will be required once full-scale production has commenced and a batch analysis study has been completed.

## Health, Environmental and Value Assessments

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

## Conclusion

The PMRA has conducted a review of the available information for this application and has concluded that the addition of a new manufacturing site for the production of 2,4-D Butoxy Ethanol Esters is acceptable.

## References

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