

## Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

**Application Number:** 2022-0060  
**Application:** Changes to TGAI Product Chemistry – New Source (site) Same Registrant, Specifications  
**Product:** NewAgco MCPA 2EH Technical  
**Registration Number:** 34134  
**Active ingredient (a.i.):** MCPA (present as esters)  
**PMRA Document Number:** 3457405

### Purpose of Application

The purpose of this submission is to add a new manufacturing site for the technical product, NewAgco MCPA 2EH Technical.

### Chemistry Assessment

Common Name: MCPA-etexyl  
 IUPAC\* Chemical Name: (RS)-2-ethylhexyl [(4-chloro-o-tolyl)oxy]acetate  
 CAS† Chemical Name: 2-ethylhexyl 2-(4-chloro-2-methylphenoxy)acetate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco MCPA 2EH Technical has the following properties:

Property	Result
Colour and physical state	brown liquid
Nominal concentration	62.3 %
Odour	characteristic
Density	1.0 – 1.1 g/mL
Vapour pressure	3.25 x 10 <sup>-5</sup> Pa (at 25 °C by interpolation)
pH	3.5 – 5.5
Solubility in water	0.0983 mg/L
n-Octanol/water partition coefficient	log Kow: 6.59

The required chemistry data for NewAgco MCPA 2EH Technical have been provided, reviewed, and found to be acceptable.

### **Health Assessments**

The new source of NewAgco MCPA 2EH Technical is considered toxicologically equivalent to the registered product.

Exposure assessments were not required for this application.

### **Environmental and Value Assessments**

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 acceptable to support addition of the manufacturing site to NewAgco MCPA 2EH Technical.

## References

PMRA Document Number	References
3307904	2020, A Study for the Analysis of 5 Batches of MCPA-2-Ethylhexyl Ether for the Presence of Targeted Polychlorinated Dibenzodioxins and Dibenzofurans, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3307905	2021, Certificate of Analysis, DACO: 2.16 CBI
3307909	2020, Determination of Active Content and Impurity Profile of MCPA-2-ethylhexyl ester, DACO: 2.13.1,2.13.2,2.13.3 CBI
3307911	2022, Method of manufacture of MCPA-2-ethylhexyl ester, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3307914	2019, Characterisation of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.1,2.14.2,2.14.3
3307915	2019, Determination of Physical State of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.2
3307916	2019, Determination of Colour of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.1
3307917	2019, Determination of Odour of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.3
3307918	2019, Determination of pH of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.15,830.7000
3307919	2019, Determination of Boiling Point/Boiling Range of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.5
3307920	2019, Determination of Density and Specific Gravity of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.6
3307921	2019, Determination of Solubility of MCPA-2-ethylhexyl ester Tech in Water, DACO: 2.14.7
3307922	2019, Determination of Solubility of MCPA-2-ethylhexyl ester Tech in Organic Solvents, DACO: 2.14.8
3307923	2019, Determination of Vapour Pressure of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.9
3307924	2019, Determination of Dissociation Constant of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.10
3307925	2019, Determination of Partition Coefficient of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.11
3307926	2019, Determination of UV-Visible Spectrum of MCPA-2-ethylhexyl ester Tech, DACO: 2.14.12
3307927	2019, Determination of Accelerated Storage Stability of MCPA-2-ethylhexyl ester Tech with Packaging Material, DACO: 2.14.13
3307928	2019, Determination of Accelerated Storage Stability of MCPA-2-ethylhexyl ester Tech at Normal and Elevated Temperatures with Metals and Metal Ions, DACO: 2.14.13

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