Health Canada Santé Canada

# Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2018-4013
**Application:** Submission subject to the *Protection of Proprietary Interests in Pesticide Data* (PPIP) policy
**Product:** NewAgco MCPA Ester Technical Herbicide
**Registration Number:** 34300
**Active ingredient (a.i.):** MCPA (present as esters)
**PMRA Document Number :3023414**

## Purpose of Application

The purpose of this application was to register the technical grade active ingredient NewAgco MCPA Ester Technical Herbicide, based on a precedent.

## Chemistry Assessment

Common Name: MCPA-etexyl
IUPAC* Chemical Name: (*RS*)-2-ethylhexyl 4-chloro-*o*-tolyloxyacetate
CAS† Chemical Name: 2-ethylhexyl 2-(4-chloro-2-methylphenoxy) acetate

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

NewAgco MCPA Ester Technical Herbicide has the following properties:

| Property | Result |
|---|---|
| Colour and physical state | Brown liquid |
| Nominal concentration | 60.3% (acid equivalent) |
| Odour | Pungent |
| Density | 1.0616 – 1.0648 g/cm$^3$ at 20$^\circ$C |
| Vapour pressure | 0.27 – 13 mPa (at 18$^\circ$C - 45$^\circ$C) |
| pH | 3.66 (1% w/v) |
| Solubility in water | < 0.4865 mg/L at 20$^\circ$C |
| n-Octanol/water partition coefficient | log $K_{ow}$: 6.8 |

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



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## 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 NewAgco MCPA Ester Technical Herbicide.

## References


| PMRA Document Number | Reference |
|---|---|
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| 2913671 | 2015, MCPA-2-Ethylhexyl TGAI: Complete analysis of batch samples, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI |
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| 3006730 | 2015, Manufacturing process description of materials used to produce the product and description of production process, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI |
| 3019705 | 2019, Clarification response, DACO: 2.11.3, 2.11.4 CBI |
| 3019706 | 2015, Revised - Description of materials used to produce the product and description of production process, DACO: 2.11.3, 2.11.4 CBI |

ISSN: 1911-8082