

## Evaluation Report for Category B Subcategory 1.1 Application

**Application Number:** 2008-4564  
**Application:** New/Changes to the technical grade active ingredient – new source (site) same registrant  
**Product:** Starane F Technical Herbicide  
**Registration Number:** 24814  
**Active ingredients (a.i.):** Fluroxypyr-meptyl [FLR]  
**PMRA Document Number:** 1878133

### Purpose of Application

The purpose of this category B.1.1-A-TGAI submission is to add a new source of the active ingredient fluroxypyr-meptyl to the currently registered product (PCP # 24814) by the same registrant.

### Chemistry Assessment

**Common Name:** Fluroxypyr-meptyl  
**Chemical Name:** 1-methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate

Starane F Technical Herbicide has the following properties:

Property	Result						
Colour and physical state	Off-white solid						
Nominal concentration	68% fluroxypyr (present as 1-methylheptyl ester)						
Odour	Odourless						
Specific gravity	1.322						
Vapour pressure at 20°C	$1.349 \times 10^{-3}$ mPa						
pH	6.81 (0.009% w/w solution)						
Solubility in water	0.09 mg/L						
n-Octanol/water partition coefficient ( $K_{ow}$ )	<table style="display: inline-table; border: none;"> <thead> <tr> <th>pH</th> <th>log <math>K_{ow}</math></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>4.53</td> </tr> <tr> <td>7</td> <td>5.04</td> </tr> </tbody> </table>	pH	log $K_{ow}$	5	4.53	7	5.04
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5	4.53						
7	5.04						

## 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 source for the production of Starane F Technical Herbicide is acceptable.

## References

- 1658166      2006, 5 Batch Report FOR-05-061 Starane F, DACO 2.0 CBI
- 1658167      2006, 5 Batch Report FOR-08-37 Starane F, DACO 2.0 CBI
- 1658168      2008, Counterfeit Pesticides Across Europe - 2008, DACO: 2.0 CBI
- 1658169      2008, FOR-08-37 Starane F Fluroxypyr Impurities Discussion, DACO 2.0 CBI
- 1868576      2010, Detailed response, Starane F Technical Herbicide, Reg. 24814, DACO: 2.11.3, 2.13.1 CBI
- 1868579      2009, Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Production Process, Discussion of Formulation of Impurities, Preliminary Analysis, Certified Limits, and Enforcement Analytical Method for Starane F (Fluroxypyr 1-MHE), DACO: 2.13.3 CBI
- 1359526      Chemical and Physical Properties of Technical Pesticide Material, DACO: 2.14.1, 2.14.11, 2.14.13, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.8, 2.14.9.
- 1359598      1984, Report of the Odour and Taint Potential of Fluroxypyr Acid and 1-methyl heptyl Ester and Haloxyfop Acid and Ethoxy Ethyl Ester, DACO: 2.14.3.

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