

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2021-2138  
**Application:** Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment  
**Product:** FBN Fluroxypyr Technical  
**Registration Number:** 34830  
**Active ingredient (a.i.):** Fluroxypyr (present as 1-methylheptyl ester)  
**PMRA Document Number:** 3330767

### Purpose of Application

The purpose of this application was to register new sources of fluroxypyr (present as 1-methylheptyl ester), FBN Fluroxypyr Technical, based on a precedent.

### Chemistry Assessment

**Common Name:** Fluroxypyr-meptyl  
**IUPAC\* Chemical Name:** (RS)-1-methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridyl)oxy]acetate  
**French IUPAC\* Chemical Name:** ((4-amino-3,5-dichloro-6-fluoro-2-pyridiniyl)oxy)acétate de 1-méthylheptyle  
**CAS† Chemical Name:** 1-methylheptyl 2-[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

FBN Fluroxypyr Technical has the following properties:

Property	Result
Colour and physical state	White solid powder
Nominal concentration	68.3% Fluroxypyr, present as fluroxypyr-meptyl
Odour	Odourless
Density	1.26 – 1.33 g/mL at 20°C
Vapour pressure	0.00135 mPa at 20°C
pH	5.5 -7.3

<b>Property</b>	<b>Result</b>
Solubility in water	0.294 mg/L at 20°C
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 7.01 at 22°C

The required chemistry data for FBN Fluroxypyr Technical have been provided, reviewed, and found to be acceptable.

### **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 provide and has found it sufficient to support the registration of FBN Fluroxypyr Technical.

## References

PMRA Document Number	References
3232926	2020, [CBI Removed] Fluroxypyr Technical [CBI Removed] - Product Identity and Composition, Description of Materials, Description of Production Process, Discussion of Formation and Toxicity of Impurities, and Certified Limits, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4 CBI
3232927	2020, [CBI Removed] Fluroxypyr Technical [CBI Removed] - Product Identity and Composition, Description of Materials, Description of Production Process, Discussion of Formation and Toxicity of Impurities and Certified Limits, DACO: 2.11.1, 2.11.2, 2.11.3,2.11.4,2.12.1,2.13.4 CBI
3232928	2018, Qualitative and Quantitative Profile of the test substance Fluroxypyr-meptyl Technical (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3 CBI
3232929	2015, Qualitative and Quantitative Profile of the test substance Fluroxypyr meptyl [CBI Removed] Technical (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3 CBI
3232930	2016, [CBI Removed] Test Report - [CBI Removed], DACO: 2.13.4 CBI
3232931	2018, Amendment 2 Qualitative and Quantitative Profile of the test substance Fluroxypyr -meptyl [CBI Removed] Technical (Five Batch Analysis), DACO: 2.13.4 CBI
3232932	2016, Amendment 1 Qualitative and Quantitative Profile of the test substance Fluroxypyr -meptyl [CBI Removed] 98% Technical (Five Batch Analysis), DACO: 2.13.4 CBI
3232934	2010, Fluroxypyr -meptyl Physical / Chemical Tests Final Report, DACO: 2.14.1,2.14.10,2.14.11,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9 CBI
3232935	2018, Determination of Storage Stability and Corrosion Characteristics of Fluroxypyr-meptyl Technical, DACO: 2.13,2.13.1,2.14.14 CBI
3232936	2017, Determination of Colour of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.1 CBI
3232937	2017, Determination of Physical State of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.2 CBI
3232938	2017, Determination of Odour of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.3 CBI
3232939	2017, Determination of Melting Point/Melting Range of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.4 CBI
3232940	2017, Determination of Density and Specific Gravity of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.6 CBI
3232941	2017, Determination of Solubility of Fluroxypyr-meptyl [CBI Removed] TC in Water, DACO: 2.14.7 CBI
3232942	2017, Determination of Solubility of Fluroxypyr-meptyl [CBI Removed] TC in Organic Solvents (Acetone and Methanol), DACO: 2.14.8 CBI
3232943	2017, Determination of Vapour Pressure of Fluroxypyr-meptyl 98% TC, DACO: 2.14.9 CBI

- 3232944 2017, Determination of Dissociation Constant of Fluroxypyr-meptyl [CBI Removed] TC in Water, DACO: 2.14.10 CBI
- 3232945 2017, Determination of Partition Coefficient of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.11 CBI
- 3232946 2017, Determination of UV-Visible Spectrum of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.12 CBI
- 3232947 2017, Determination of Accelerated Storage Stability of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.14 CBI
- 3232948 2017, Determination of Corrosion Characteristics of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.13 CBI
- 3232949 2017, Determination of pH of Fluroxypyr-meptyl [CBI Removed] TC, DACO: 2.14.15 CBI

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