

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2018-5869  
**Application:** Changes to Technical Grade Active Ingredient Product Chemistry  
 – New source (site) same registrant  
**Product:** Albaugh Bromoxynil Octanoate Technical  
**Registration Number:** 32470  
**Active ingredient (a.i.):** Bromoxynil  
**PMRA Document Number :** 3013040

### Purpose of Application

The purpose of this application was to register a new manufacturing site for the technical grade active ingredient product Albaugh Bromoxynil Octanoate Technical.

### Chemistry Assessment

Common Name: Bromoxynil  
 IUPAC\* Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate  
 CAS† Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Albaugh Bromoxynil Octanoate Technical has the following properties:

| Property                              | Result                                  |
|---------------------------------------|---|
| Colour and physical state             | Signal yellow solid powder              |
| Nominal concentration                 | 67.2%                                   |
| Odour                                 | Odourless                               |
| Density                               | 1.504 g/mL                              |
| Vapour pressure                       | 0.024 mPa at 20°C and 0.056 mPa at 25°C |
| pH                                    | 6.8                                     |
| Solubility in water                   | 1.30 mg/L                               |
| n-Octanol/water partition coefficient | 6.11                                    |

The required chemistry data for Albaugh Bromoxynil Octanoate Technical have been provided,

reviewed and found to be acceptable.

### **Health, Environmental and Value Assessments**

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

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the submitted data and has found it sufficient to register a new manufacturing site for Albaugh Bromoxynil Octanoate Technical.

### **References**

| PMRA Document Number | References   |
|----------------------|--|
| 2932834              | 2018, Bromoxynil Octanoate Technical: Product Identity and Composition, DACO: 2.1,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI |
| 2932835              | 2011, Analysis of 5 Batches of Bromoxynil Octanoate Technical Material and Specified Impurities, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI                         |
| 2942296              | 2011, COAs for Bromoxynil - contains manufacturing dates, DACO: 2.13.3 CBI   |

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