

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2019-7093  
**Application:** Changes to TGAI Product Chemistry-New Source (site) same registrant  
**Product:** Cloransulam-Methyl Technical Herbicide  
**Registration Number:** 26696  
**Active ingredient (a.i.):** Cloransulam-methyl  
**PMRA Document Number:** 3191244

### Purpose of Application

The purpose of this application is to add a new manufacturing site to the registered technical product, Cloransulam-Methyl Technical Herbicide.

### Chemistry Assessment

Common Name:  
 IUPAC\* Chemical Name: methyl 3-chloro-2-[[5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)sulfonyl]amino]benzoate  
 CAS† Chemical Name: methyl 3-chloro-2-[[5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)sulfonyl]amino]benzoate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cloransulam-Methyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	97.5%
Odour	Slight mint
Density	1.538 g/cm <sup>3</sup>
Vapour pressure	4.0 × 10 <sup>-11</sup> mPa
pH	3.0 for a 10% dilution

Property	Result								
Solubility in water	<table> <thead> <tr> <th>pH</th> <th>solubility (mg/L)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2.96</td> </tr> <tr> <td>7</td> <td>184</td> </tr> <tr> <td>9</td> <td>3430</td> </tr> </tbody> </table>	pH	solubility (mg/L)	5	2.96	7	184	9	3430
pH	solubility (mg/L)								
5	2.96								
7	184								
9	3430								
n-Octanol/water partition coefficient	log K <sub>ow</sub> = -0.365 at pH 7								

The required chemistry data for Cloransulam-Methyl Technical Herbicide 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 provided, and has found it sufficient to add the new manufacturing site of Cloransulam-Methyl Technical Herbicide.

### **Additional Information Being Requested**

Since this technical product is manufactured only at pilot scale before registration, five-batch data representing commercial-scale production are required as post-market information after registration.

## References

### PMRA

#### Document

Number	Reference
3071409	2019, DACO 2.1-2.2, DACO: 2.1,2.2
3071410	2019, DACO 2.11-2.11.4, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4
3071411	1999, Analytical method and validation for the assay of cloransulam-methyl (CE565) Technical Grade of the Active ingredient, DACO: 2.13.1 CBI
3071412	1999, Validation of a method for the analysis of cloransulam-methyl and impurities in cloransulam-methyl Technical grade of active ingredient, DACO: 2.13.2 CBI
3071413	2014, Analytical method and validation for the determination of [CBI REMOVED] in cloransulam-methyl technical grade material, DACO: 2.13.1 CBI
3071414	2019, Batch analysis study for cloransulam-methyl, DACO: 2.13.3 CBI

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