

## Evaluation Report for Category B, Subcategory B.1.2 Application

**Application Number:** 2012-1370  
**Application:** New Source of Technical Grade Active Ingredient by a New Registrant  
**Product:** Cheminova Florasulam Technical Herbicide  
**Registration Number:** 30830  
**Active ingredients (a.i.):** Florasulam  
**PMRA Document Number:** 2277825

### Background

The source of florasulam used to determine chemical equivalence was Registration Number 26888.

### Purpose of Application

The purpose of this application was to register a new source of the active ingredient, florasulam, by a different Registrant.

### Chemistry Assessment

Common Name: Florasulam  
IUPAC Chemical Name: 2',6',8-trifluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide  
CAS Chemical Name: N-(2,6-difluorophenyl)-8-fluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide

Cheminova Florasulam Technical Herbicide has the following properties:

Property	Result	
Colour and physical state	White Solid	
Nominal concentration	99.2 %	
Odour	Odourless	
Density at 20°C	0.730 – 0.872 g/mL	
Vapour pressure at 25°C	$6.6 \times 10^{-5}$ Pa	
Water solubility at 20°C	4.84 ± 0.08 g/L in buffer solution pH 7.0	
n-Octanol/water partition coefficient ( $K_{ow}$ ) at 20°C	<u>pH</u>	<u>log Kow</u>
	3	1.11 ± 0.01
	7.0	-1.10 ± 0.02
	10	-1.79 ± 0.02

The chemistry requirements for Cheminova Florasulam Technical Herbicide have been completed.

### Health and Environmental Assessments

As the new source of florasulam is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

### Value Assessment

A value assessment is not required for technical grade active ingredient products.

### Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Cheminova Florasulam Technical Herbicide.

## References

<b>PMRA No.</b>	<b>Title</b>
2177510	Discussion of Impurities, DACO: 2.11.4 CBI
2177511	Analysis, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177512	vam-195-01-rep, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177513	vam-196-01-rep, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177514	vam-197-01-rep, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177516	val-195-01-20110504, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177518	val-196-01-rep, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177520	val-197-01-rep, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2177521	fom-003-rep, DACO: 2.14.1,2.14.14,2.14.2,2.14.3 CBI
2177522	fom-009-rep, DACO: 2.14.11,2.14.12,2.14.4,2.14.7,2.14.8 CBI
2177524	fom-002-rep, DACO: 2.14.6 CBI
2177525	73 FOM_vapour pressure, DACO: 2.14.9 CBI
2177527	fom-007-rep, DACO: 2.14.10 CBI
2235126	Determinstion of storage stability for 1 year at 20 C of FLorasulam Technical in commercial packaging, DACO: 2.14.13 CBI

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