

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-0087

Application: Changes to technical grade active ingredient product chemistry-

New source (site) for the same registrant

Product: Sulfentrazone Technical Herbicide

Registration Number: 29011

Active ingredients (a.i.): Sulfentrazone PMRA Document Number: 2471950

Purpose of Application

The purpose of this application was to add a new manufacturing site to Sulfentrazone Technical Herbicide (Registration number 29011).

Chemistry Assessment

Common Name: Sulfentrazone

IUPAC* Chemical Name: 2',4'-dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-

1H-1,2,4-triazol-1-yl)methanesulfonanilide

CAS† Chemical Name: N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-

oxo-1*H*-1,2,4-triazol-1-yl]phenyl]methanesulfonamide

Sulfentrazone Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Tan solid
Nominal concentration	91.69 %
Odour	Faint sulfur-like
Density at 25°C	1.66 g/cm ³
Vapour pressure at 25°C	8×10^{-10} mm Hg
Solubility in water at 25°C	0.40
n-Octanol/water partition coefficient at 25°C	<u>pH</u> <u>K_{ow}</u> 5 31.1 7 9.8 9 0.27



^{*} International Union of Pure and Applied Chemistry

[†] Chemical Abstracts Service

The chemistry requirements for Sulfentrazone Technical Herbicide are complete.

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has completed a review the information submitted for Sulfentrazone Technical Herbicide and has found it sufficient to support the addition of a new manufacturing site.

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