Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2012-1095
Application: B.1.1 - Product chemistry – New source (site) same registrant
B.1.3 - Product chemistry - Specifications
Product: Prosulfuron Technical Herbicide
Registration Number: 25309
Active ingredients (a.i.): Prosulfuron
PMRA Document Number : 2364878

Purpose of Application

The purpose of this application was to add a new site of prosulfuron manufacture to the currently registered product Prosulfuron Technical Herbicide.

Chemistry Assessment

Common Name: Prosulfuron
IUPAC* Chemical Name: 1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)phenylsulfonyl]urea
CAS† Chemical Name: *N*-[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]-2-(3,3,3-trifluoropropyl)benzenesulfonamide

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

Prosulfuron Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Light beige solid
Nominal concentration	97.0%
Odour	None
Density	1.45 g/cm^3
Vapour pressure	$<3.5 \times 10^{-3}$ mPa (at 25°C)
pH	4.4 for a 1% dilution

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Property	Result
Solubility in water	pH Solubility (mg/L) 5.0 87 6.8 4000 7.7 43000
n-Octanol/water partition coefficient	pH Log K_{ow} 5 1.5 6.9 -0.21 9 -0.76

The chemistry requirements for Prosulfuron Technical Herbicide have been fulfilled.

Health Assessments

The new source for Prosulfuron Technical Herbicide results in a product that is chemically equivalent to that of the previous source. Subsequently, no toxicological data were submitted or were required.

Occupational and food residue assessments were not required for this application.

Environmental and Value Assessment

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has completed an assessment of the available information and is able to support the addition of a new site of prosulfuron manufacture to the currently registered product Prosulfuron Technical Herbicide.

References

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