



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2015-1272
Application: New / Changes TGAI or ISP Prod Chemistry-New Source (Site)
 NEW Registrant
Product: NewAgco S-Metolachlor Technical
Registration Number: 32312
Active ingredients (a.i.): S-Metolachlor and R-enantiomer
PMRA Document Number : 2598273

Purpose of Application

The purpose of this application was to register a new source of S-Metolachlor and R-enantiomer by a new registrant.

Chemistry Assessment

Common Name: S-Metolachlor
IUPAC* Chemical Name: Mixture of 80-100% 2-chloro-*N*-(6-ethyl-*o*-tolyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl]acetamide and 20-0% 2-chloro-*N*-(6-ethyl-*o*-tolyl)-*N*-[(1*R*)-2-methoxy-1-methylethyl]acetamide
 OR
 Mixture of 80-100% 2-chloro-6'-ethyl-*N*-[(1*S*)-2-methoxy-1-methylethyl]acet-*o*-toluidide and 20-0% 2-chloro-6'-ethyl-*N*-[(1*R*)-2-methoxy-1-methylethyl]acet-*o*-toluidide
CAS† Chemical Name: 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl]acetamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco S-Metolachlor Technical has the following properties:

Property	Result
Colour and physical state	Yellow-red viscous liquid
Nominal concentration	98.34%
Odour	Faintly aromatic
Density	1.111 g/mL
Vapour pressure	2.19×10^{-3} Pa (at 25°C)

Property	Result
pH	7.1
Solubility in water	493 mg/L (20°C, pH 7.1)
n-Octanol/water partition coefficient	Log K _{ow} = 3.1 (pH 7.0)

The required chemistry data for NewAgco S-Metolachlor Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

The proposed source for S-Metolachlor Technical results in a product that is chemically equivalent to that of the previous source. Subsequently, no toxicological data were submitted or are required.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the new source of NewAgco S-Metolachlor Technical, and has found the information sufficient to register this new source.

References

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