

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-3015
Application: Submissions subject to Protection of Proprietary Interests in Pesticide (PIIP) Data Policy – Equivalency/Data Compensation Assessment
Product: Tide Rimsulfuron Technical Herbicide
Registration Number: 34913
Active ingredient (a.i.): Rimsulfuron
PMRA Document Number : 3461598

Purpose of Application

The purpose of this application was to register Tide Rimsulfuron Technical Herbicide, a new source of the active ingredient rimsulfuron, based on a registered precedent product.

Chemistry Assessment

Common Name: Rimsulfuron
IUPAC* Chemical Name: *N*-[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]-3-(ethylsulfonyl)pyridine-2-sulfonamide
CAS† Chemical Name: *N*-[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Tide Rimsulfuron Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White (Munsell N 9.5) fine crystalline powder
Nominal concentration	98.39%
Odour	Odourless
Density	1.411-1.443 g/mL at 20°C
Vapour pressure	1.81 x 10 ⁻⁶ mPa at 20°C
pH	4.35
Solubility in water	0.0313 g/L
n-Octanol/water partition coefficient	log K _{ow} = 0.12 at 21.2°C

The required chemistry data for Tide Rimsulfuron 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 the information acceptable to support the registration of Tide Rimsulfuron Technical Herbicide.

References

PMRA Document Number	Reference
3368997	2022, Justification of Impurities of Rimsulfuron Technical, DACO: 2.11.4 CBI
3368998	2021, Analyses of Five Representative Production Batches Rimsulfuron Technical Grade Active Ingredient (TGAI) to Determine Active Purity and to Quantify Associated Impurities - Confidential Attachment, DACO: 2.13 CBI
3368999	2021, Analyses of Five Representative Production Batches Rimsulfuron Technical Grade Active Ingredient (TGAI) to Determine Active Purity and to Quantify Associated Impurities., DACO: 2.13 CBI
3369000	2021, Determination of Active Content and Impurity Profile of Rimsulfuron, DACO: 2.13.1 CBI
3369001	2021, Determination of the Physical-chemical Properties of Rimsulfuron Technical Grade, DACO: 2.14 CBI
3369002	2022, The Manufacturing Process of Rimsulfuron Technical, DACO: 2.11 CBI

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