

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-1979
Application: Changes TGAI Chemistry-New Source (site)
Product: Flucarbazone Technical Herbicide
Registration Number: 34110
Active ingredient (a.i.): Flucarbazone (present as flucarbazone-sodium).
PMRA Document Number: 3362307

Purpose of Application

The purpose of this application was to register a new source of flucarbazone (present as flucarbazone-sodium) for Flucarbazone Technical Herbicide.

Chemistry Assessment

Common Name: Flucarbazone (present as flucarbazone-sodium)
 IUPAC* Chemical Name: Sodium [(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl)carbonyl]{[2-(trifluoromethoxy)phenyl]sulfonyl}azanide
 CAS† Chemical Name: 1*H*-1,2,4-triazole-1-carboxamide, 4,5-dihydro-3-methoxy-4-methyl-5-oxo-*N*-[[2-(trifluoromethoxy)phenyl]sulfonyl]-, sodium salt (1:1)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Flucarbazone Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	91.2%
Odour	Light irritating odour
Density	1.72 g/mL (20°C)
Vapour pressure	< 1×10 ⁻⁶ mPa (calculated)
pH	8.55 (1% w/w)
Solubility in water	44.0 g/L (pH 4-9)

Property	Result
n-Octanol/water partition coefficient	N/A - product is a salt

The required chemistry data for Flucarbazone 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 sufficient to amend the registration of Flucarbazone Technical Herbicide.

References

PMRA

Document

Number	Reference
3228754	2020, Product and Identity Composition, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
3228755	2018, Preliminary Analysis of Flucarbazone-sodium Technical Grade Active Ingredient (TGAI), DACO: 2.13.1, 2.13.3 CBI
3228756	2021, The Justification of Impurities of Flucarbazone-Sodium Technical, DACO: 2.11.4 CBI
3354153	2018, 2.13.3_ Five Batch Chromatograms of [CBI REMOVED], DACO: 2.13.3 CBI

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