



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2015-0879
Application: New TGAI Product Chemistry-New Source (Site), New Registrant
Product: Nufarm Sulphur Technical
Registration Number: 32474
Active ingredients (a.i.): sulphur
PMRA Document Number: 2670514

Purpose of Application

The purpose of this application was to register a new source of sulphur by a new registrant with reliance on precedent data.

Chemistry Assessment

Common Name: Sulfur or Sulphur
IUPAC* Chemical Name: Sulfur
CAS† Chemical Name: Sulfur

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Nufarm Sulphur Technical has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	99.5%
Odour	Faint rotten egg smell
Density	2.1 – 2.4 g/mL at 20°C
Vapour pressure	0.527 mPa at 30.4°C (rhombic) 8.6 mPa at 59.4°C (monoclinic)
pH	6.5
Solubility in water	0.063 g/m ³ (pH 7, 20°C)
n-Octanol/water partition coefficient	Log K _{ow} =5.68 (pH 7)

The required chemistry data for Nufarm Sulphur Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

Nufarm Sulphur Technical is toxicologically equivalent to the cited precedent technical grade active ingredients, No further toxicological data are required for this source of technical.

Since Nufarm Sulphur Technical has been determined to be toxicologically equivalent to the cited precedent technical grade active ingredients, no further data are required for food exposure assessment.

Environmental Assessment

An assessment was not required for this application.

Value Assessment

An assessment was not required for this application.

Conclusion

The PMRA has reviewed the information provided in support of this application and has determined that registration of Nufarm Sulphur Technical can be supported.

References

PMRA #	Reference
2508399	2010, Preliminary Analysis – [Privacy removed], DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2508397	2015, Manufacturing Process - [Privacy removed], DACO: 2.11.1,2.11.2,2.11.3 CBI
2573732	2015, Method of Analysis [CBI removed] - [Privacy removed], DACO: 2.13.4 CBI
2508401	2015, Physical and Chemical Properties - [Privacy removed], DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7, 2.14.8,830.7000 CBI
2508394	2015, Technical Grade Active Ingredient Chemistry Summary Information, DACO: 2.1,2.13.4,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.2,2.14.3,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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