Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-1177
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: CeraSulfur Technical
Registration Number: 34550
Active ingredient (a.i.): Sulphur
PMRA Document Number : 3359571

Purpose of Application

The purpose of this application was to register a new source of technical-grade sulphur based on registered precedents.

Chemistry Assessment

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

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

CeraSulfur Technical has the following properties:

Property	Result
Colour and physical state	Yellowish to off-white solid
Nominal concentration	99.9%
Odour	Characteristic
Density	0.93-1.02 g/mL at 22˚C
Vapour pressure	9.8×10^{-11} mPa
pH	7-9
Solubility in water	0.048-0.078 mg/L
n-Octanol/water partition coefficient	Not applicable

The required chemistry data for CeraSulfur Technical 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.

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Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of CeraSulfur Technical.

References

PMRA Document Number	Reference
3212213	2021, Description of starting materials, DACO: 2.11.2 CBI
3212214	2021, Detailed production process, DACO: 2.11.3 CBI
3212215	2021, Discussion of Formation of Impurities, DACO: 2.11.4 CBI
3212217	2013, 5-batch analysis of [CBI Removed], DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3249027	2021, Description of Starting material - CeraSulfur Technical, DACO: 2.11.2 CBI
3249028	2021, Batch data - CeraSulfur Technical, DACO: 2.11.3 CBI
3249029	2021, 5-batch analysis of [CBI Removed], DACO: 2.13.3 CBI
3249031	2021, Physical and Chemical Characteristics - CeraSulfur Technical, DACO: 2.14,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4, 2.14.5,2.14.6,2.14.7,2.14.8,2.14.9,830.7000 CBI
3249033	2017, [CBI Removed]- Determination of [CBI Removed] using [CBI Removed], DACO: 2.11,2.11.2,2.11.3 CBI
3345907	2022, Explanation of the [CBI Removed] used to wash the slurry in the sulfur recovery section, DACO: 2.11 CBI
3345909	2022, [CBI Removed] batch analysis for sulfur cake, DACO: 2.13.4 CBI
3345910	2022, [CBI Removed] batch analysis for sulfur cake, DACO: 2.13.4 CBI
3345911	2022, [CBI Removed] batch analysis for sulfur cake, DACO: 2.13.4 CBI
3345913	2022, [CBI Removed] batch analysis for sulfur cake, DACO: 2.13.4 CBI
3345914	2022, [CBI Removed] batch analysis for sulfur cake, DACO: 2.13.4 CBI
3345915	2022, Determination of density and pH of Sulfur-TGAI-99, DACO: 2.14.15,2.14.6,830.7000 CBI
3345916	2022, Determination of density and pH of Sulfur-TGAI-99, DACO: 2.14.15, 2.14.6,830.7000 CBI
3347427	2020, Certificate Analysis, DACO: 2.13.4 CBI
3347428	2022, Answer-impurities-health-environmental-concern, DACO: 2.13.4 CBI