

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2020-0885
Application: New TGAI Product Chemistry – New Source (Site) New Registrant
Product: Bedoukian OFM Technical
Registration Number: 34026
Active ingredients (a.i.): Z-8-Dodecen-1-yl acetate, E-8-Dodecen-1-yl acetate, Z-8-Dodecen-1-ol
PMRA Document Number : 3179505

Purpose of Application

The purpose of this application was to register a new source of straight chain lepidopteran pheromones (SCLP), Bedoukian OFM Technical, containing the active ingredients Z-8-dodecen-1-yl acetate, E-8-dodecen-1-yl acetate, and Z-8-dodecen-1-ol.

Chemistry Assessment

IUPAC* Chemical Name: (E)-8-dodecen-1-yl acetate
 (Z)-8-dodecen-1-yl acetate
 (Z)-8-dodecen-1-ol
 CAS† Chemical Name: 8-dodecen-1-ol, acetate, (E)-
 8-dodecen-1-ol, acetate, (Z)-
 8-dodecen-1-ol, (Z)-

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Bedoukian OFM Technical has the following properties:

Property	Result
Colour and physical state	Colourless to faint yellow oily liquid
Nominal concentration	Z-8-dodecenyl acetate at 87.85% E-8-dodecenyl acetate at 7.96% Z-8-dodecenol at 1.06%
Odour	Mild, fruity
Density	0.87 – 0.89 g/mL
Vapour pressure	2.4 Pa

Property	Result
pH	Not applicable
Solubility in water	Insoluble
n-Octanol/water partition coefficient	Estimated to be very high based on relative solubilities in water and alcohols

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

Health Assessments

Bedoukian OFM Technical is of low acute oral, dermal, and inhalation toxicity, is minimally irritating to the eyes and skin, and is not a dermal sensitizer.

Exposure assessments were not required for this application.

Environmental Assessment

Bedoukian OFM Technical contains active ingredients that are expected to pose minimal environmental risks. The environmental risk associated with the new source for manufacturing and formulating of pest control products is acceptable.

Value Assessment

A value assessment was 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 support the registration of Bedoukian OFM Technical.

References

PMRA Document Number	References
1462510	Technical Chemistry file - Physical and Chemical Characteristics, DACO: 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, CBI
2770906	2017, Description of Starting Materials-OFM, DACO: 2.11.2 CBI
3105347	2020, Bedoukian OFM Technical Pheromone 2.12.1 Establishing Certified Limits, DACO: 2.12.1 CBI

- 3105348 2020, Product Identity Confirmation (DACO Testing Guideline 2.13.2), DACO: 2.13.2 CBI
- 3174165 2020, UV/Visible Absorption Spectra for Bedoukian OFM Technical Pheromone, DACO: 2.14.12
- 3174166 2020, BEDOUKIAN OFM TECHNICAL PHEROMONE DETAILED PROCESS DESCRIPTION , DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
- 3174170 2018, Determination of the purity of 5 representative batches of OFM Technical Pheromone, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 3174171 2017, Analytical characterization of 5 representative batches of a Blend of (Z)/(E)-8-dodecen-1-yl acetate (Z)-8-dodecen-1-ol Technical Material, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 3174172 2017, Analytical characterization of 5 representative batches of a Blend of (Z)/(E)-8-dodecen-1-yl acetate (Z)-8-dodecen-1-ol Technical Material, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 3174173 2012, Physical/Chemical Properties: Storage Stability Time - Final Report, DACO: 2.14.14 CBI
- 3099001 2019, Bedoukian OFM Technical Pheromone Toxicity Testing, DACO: 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6.

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