

Evaluation Report for Category D.1.0 IMEP, Subcategory B.1.3 Application

Application Number: 2017-1492
Application: Importation for Manufacturing and Export Program
 B.1.3 – Product Chemistry - Specifications
Product: Bedoukian OFM Technical Pheromone
Registration Number: 26136
Active ingredients (a.i.): (E)-8-dodecenyl acetate, (Z)-8-dodecenol and (Z)-8-dodecenyl acetate
PMRA Document Number: 2777782

Purpose of Application

The purpose of this application was to amend the IMEP product, Bedoukian OFM Technical Pheromone, to add an alternate manufacturing method.

Chemistry Assessment

Common Name: No ISO common name assigned
Accepted names: Z-8-dodecenyl acetate
 E-8-dodecenyl acetate
 Z-8-dodecenol
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 Pheromone has the following properties:

Property	Result
Colour and physical state	Clear to slight yellow liquid
Nominal concentration	Z-8-dodecenyl acetate.....88% E-8-dodecenyl acetate.....8% Z-8-dodecenol.....1.3%

Property	Result
Odour	Not established
Density at 25°C	0.87 – 0.89 g/mL
Vapour pressure at 25°C	2.4 Pa
pH	Not required for IMEP product
Solubility in water	Insoluble in water
n-Octanol/water partition coefficient	Not required for IMEP product

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

Health Assessments

Consisting of straight-chained lepidopteran pheromones (SCLP), Bedoukian OFM Technical Pheromone is of low acute oral, dermal, and inhalation toxicity and is minimally irritating to the eyes and skin, but is not a dermal sensitizer. The changes in the method of manufacture will not result in any additional health concerns regarding Bedoukian OFM Technical Pheromone.

Exposure assessments were not required for this application.

Environmental and Value Assessments

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 determined that the amendment to add an alternate manufacturing method to the registration of Bedoukian OFM Technical Pheromone is acceptable.

References

PMRA Document Number	Reference
2744107	2017, Bedoukian OFM Technical Pheromone Reg # 26136 Manufacturing Summary, DACO: 2.11.1 CBI
2744110	2017, Bedoukian OFM Technical Pheromone Reg # 26136 Discussion of Formation of Impurities, DACO: 2.11.4 CBI
2744112	2017, Bedoukian OFM Technical Pheromone Reg # 26136 Batch Data, DACO: 2.13.3 CBI
2770906	2017, Description of Starting Materials-OFM, DACO: 2.11.2 CBI
2770907	2017, Detailed Production Process Description, DACO: 2.11.3 CBI

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