

**Evaluation Report for Category B, Subcategory 1.1  
(New source by the same registrant)  
Application**

**Application Number:** 2006-3329  
**Application:** Category B, subcategory 1.1 (new source by the same registrant)  
**Product:** Verbenone Technical  
**Registration Number:** 28259  
**Active ingredients (a.i.):** Verbenone at 97%  
**PMRA Document Number:** 1426928

**Background**

The original source of Verbenone technical grade active ingredient, “Verbenone Technical” (Reg. No. 28259) was first registered in 2006.

**Purpose of Application**

The purpose of this application is to register a new technical source of Verbenone insect sex pheromone by the same registrant.

**Chemistry Assessment**

**Common Name:** Verbenone  
**Chemical Name:** 4,6,6-trimethylbicyclo[3.1.1]hept-3-en-2-one

Verbenone Technical has the following properties:

Property	Result
Colour and physical state	Light yellow
Nominal concentration	97%
Odour	A spicy, mint, camphor note with a hint of pine odour
Specific gravity	0.974
Vapour pressure	Waiver accepted

Property	Result
pH	Not specified
Solubility in water	Insoluble in water
n-Octanol/water partition coefficient	Log $K_{ow}$ = 3.21

The chemistry requirements for Verbenone Technical have been completed.

### Health and Environmental Assessment

Health and environmental assessments were not required.

### Value assessment

A value assessment is not required for technical grade active ingredient products.

### Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register a new source of Verbenone technical.

### References

- 1251849 Applicant and Manufacturer Identification., DACO: 2.1,2.12.1,2.2  
1251853 2006, Manufacturing Methods and Preliminary Analysis for Verbenone Technical. Requirement for New Source (Bedoukian Research, Inc.) by Same Registrant (Phero tech Inc.). Category B Submission B1.1., Bedoukian Research, Inc., DACO: 2.11.1,2.11.2,2.11.3,2.1  
1296463 2006, DACO 2.11.2, 2.12.1 and 2.14, N/A, N/A, MRID: N/A, DACO: 2.11.2,2.12.1,2.14  
1363145 2007, Manufacturing methods and preliminary analysis for Verbenone Technical, N/A, N/A, MRID: N/A, DACO: 2.0,2.11,2.11.1,2.11.2,2.11.4,2.12,2.13,2.13.1,2.13.2,2.13.3  
1363146 2007, DACO 2, n/a, n/a, MRID: n/a, DACO: 2.0,2.1,2.12,2.12.1,2.2

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