

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. )\*

**Aspen Aerogels, Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**04523Y105**

(CUSIP Number)

**12/31/2019**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1. Names of Reporting Persons  
Oaktop Capital Management II, L.P.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

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(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
One Main Street, Suite 202 Chatham, NJ 07928

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5. Sole Voting Power  
2,593,272

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

6. Shared Voting Power  
0

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7. Sole Dispositive Power  
2,593,272

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8. Shared Dispositive Power  
0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
2,593,272

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
10.67

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12. Type of Reporting Person (See Instructions)  
Investment Advisor

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**Item 1.**

- (a) Name of Issuer  
Aspen Aerogels, Inc.
- 
- (b) Address of Issuer's Principal Executive Offices  
30 Forbes Road, Building B Northborough, MA 01532
- 

**Item 2.**

- (a) Name of Person Filing  
Oaktop Capital Management II, L.P.
- 
- (b) Address of Principal Business Office or, if none, Residence  
One Main Street, Suite 202 Chatham, NJ 07928
- 
- (c) Citizenship  
USA
- 
- (d) Title of Class of Securities  
Common Stock
- 
- (e) CUSIP Number  
04523Y105
- 

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with § 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution: \_\_\_\_\_

**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:

2,593,272

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- (b) Percent of class:

10.67

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- (c) Number of shares as to which the person has:
- 

- (i) Sole power to vote or to direct the vote

2,593,272

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- (ii) Shared power to vote or to direct the vote

0

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- (iii) Sole power to dispose or to direct the disposition of

2,593,272

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- (iv) Shared power to dispose or to direct the disposition of

0

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**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

**Item 8. Identification and Classification of Members of the Group**

**Item 9. Notice of Dissolution of Group**

**Item 10. Certification**

**Signature**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 4, 2020

\_\_\_\_\_  
Date

/s/ Jay W. Haas, Jr.

\_\_\_\_\_  
Signature

Jay W. Haas, Jr., Chief Compliance Officer

\_\_\_\_\_  
Name/Title

**ATTENTION**

**Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).**