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

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**FORM 8-A/A**  
Amendment No. 1

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**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR 12(g) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

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**Versum Materials, Inc.**  
(Exact name of registrant as specified in its charter)

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**Delaware**  
(State of Incorporation or Organization)

**47-5632014**  
(IRS Employer Identification No.)

**8555 South River Parkway,  
Tempe, Arizona**  
(Address of principal executive offices)

**85284**  
(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class  
to be so registered  
**Preferred Stock Purchase Rights**

Name of each exchange on which  
each class is to be registered  
**New York Stock Exchange**

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If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: 001-37664

Securities to be registered pursuant to Section 12(g) of the Act:

**NONE**  
(Title of class)

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**EXPLANATORY NOTE**

This Amendment No. 1 to the Registration Statement on Form 8-A12B (File No. 001-37664) of Versum Materials, Inc. filed with the Securities and Exchange Commission on February 28, 2019 (the "Registration Statement") is being filed solely to amend the exchange listed under "Name of each exchange on which each class is to be registered" on the cover page of the Registration Statement to read in its entirety "New York Stock Exchange". All other items remain unchanged.

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**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

Date: March 7, 2019

**Versum Materials, Inc.**

By: /s/ Michael W. Valente

Name: Michael W. Valente

Title: Senior Vice President, General  
Counsel and Secretary