

AIR PRODUCTS & CHEMICALS INC /DE/  
Form 8-A12B  
February 12, 2015

**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**FORM 8-A**

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

**Air Products and Chemicals, Inc.**

**(Exact Name of Registrant as Specified in Its Charter)**

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

**23-1274455**  
**(I.R.S. Employer Identification No.)**

**7201 Hamilton Boulevard**

**Allentown, Pennsylvania**  
**(Address of Principal Executive Offices)**

**18195-1501**  
**(Zip Code)**

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

<b>Title of Each Class</b>	<b>Name of Each Exchange on Which</b>
<b>to be so Registered</b> <b>1.000% Notes due 2025</b>	<b>Each Class is to be Registered</b> <b>New York Stock Exchange</b>

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), please 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), please check the following box:

**Securities Act registration statement file number to which this form relates:**

**333-200537**

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

**None**

**(Title of Class)**

## INFORMATION REQUIRED IN REGISTRATION STATEMENT

### Item 1. Description of Registrant's Securities to be Registered.

Air Products and Chemicals, Inc. (the Company) hereby incorporates by reference the description of its securities to be registered hereunder contained in the Prospectus dated November 24, 2014 under Description of Securities and in the Prospectus Supplement dated February 3, 2015 under Description of Notes, which Prospectus Supplement was filed with the Securities and Exchange Commission (the Commission) on February 4, 2015 under Rule 424(b)(5) under the Securities Act of 1933, as amended (the Act), pursuant to a Registration Statement on Form S-3 (No. 333-200537) previously filed with the Commission under the Act.

### Item 2. Exhibits.

1. Indenture, dated as of January 10, 1995, between the Company and The Bank of New York Mellon Trust Company, N.A., as successor to U.S. Bank National Association (formerly Wachovia Bank, National Association and initially First Fidelity Bank, National Association), as Trustee. (Incorporated by reference to Exhibit 4(a) to the Company's Registration Statement No. 33-57357.)
2. Form of 1.000% Notes due 2025 (included as Exhibit A to Officers' Certificate in Exhibit 3).
3. Officers' Certificate issued February 12, 2015 setting forth the terms of the 1.000% Notes due 2025.

**SIGNATURES**

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

Air Products and Chemicals, Inc.

Date: February 12, 2015

By: /s/ M. Scott Crocco  
Name: M. Scott Crocco  
Title: Senior Vice President and Chief Financial  
Officer