

AIR PRODUCTS & CHEMICALS INC /DE/

Form 8-K

April 23, 2008

Table of Contents

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

**FORM 8-K
CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported) April 23, 2008

Air Products and Chemicals, Inc.

(Exact Name of Registrant as Specified in Charter)

Delaware

1-4534

23-1274455

(State or Other Jurisdiction of
Incorporation)

(Commission File Number)

(IRS Employer Identification No.)

7201 Hamilton Boulevard, Allentown, Pennsylvania

18195-1501

(Address of Principal Executive Offices)

(Zip Code)

(610) 481-4911

Registrant's telephone number, including area code
not applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (See General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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TABLE OF CONTENTS

Item 2.02. Results of Operations and Financial Condition.

Item 9.01. Financial Statements and Exhibits.

SIGNATURES

Exhibit Index

EX-99.1: PRESS RELEASE

Table of Contents

Item 2.02. Results of Operations and Financial Condition.

On April 23, 2008, the company issued a press release announcing its earnings for the second quarter of fiscal year 2008. A copy of the press release is attached as Exhibit 99.1 to this Form 8-K. The press release, including all financial statements, is furnished and is not deemed to be filed.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits

99.1 Press Release dated April 23, 2008.

Table of Contents

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 hereunto duly authorized.

Air Products and Chemicals, Inc.
(Registrant)

Dated: April 23, 2008

By: /s/ Paul E. Huck
Paul E. Huck
Senior Vice President and Chief
Financial Officer

3

Table of Contents

Exhibit Index

| Exhibit No. | Description | |
|-------------|-------------------------------------|---|
| 99.1 | Press Release dated April 23, 2008. | 4 |