**FORM 4**

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person
   Smith Wayne Thomas
   1940 AIR PRODUCTS BLVD.
   ALLENTOWN PA 18106-5500

2. Issuer Name and Ticker or Trading Symbol
   AIR PRODUCTS & CHEMICALS INC [DE/ APD]

3. Date of Earliest Transaction (Month/Day/Year)
   03/31/2022

4. If Amendment, Date of Original Filed (Month/Day/Year)
   X

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   X Director
   10% Owner
   Officer (give title below)
   Other (specify below)

6. Individual or Joint/Group Filing (Check Applicable Line)
   X Form filed by One Reporting Person
   Form filed by More than One Reporting Person

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### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

<table>
<thead>
<tr>
<th>1. Title of Security (Instr. 3)</th>
<th>2. Transaction Date (Month/Day/Year)</th>
<th>2A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>3. Transaction Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>03/31/2022</td>
<td></td>
<td>A</td>
<td>(A)</td>
<td>4,9261</td>
<td>Direct (D)</td>
<td></td>
</tr>
</tbody>
</table>

### Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>1. Title of Derivative Security (Instr. 3)</th>
<th>2. Conversion or Exercise Price of Derivative Security</th>
<th>3. Transaction Date (Month/Day/Year)</th>
<th>3A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>4. Transaction Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>6. Date Exercisable and Expiration Date (Month/Day/Year)</th>
<th>7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock</td>
<td>$0.0000(2)</td>
<td>03/31/2022</td>
<td></td>
<td>A</td>
<td>4,9261</td>
<td>()</td>
<td>Common Stock 4,9261 $253.16</td>
<td>836.327</td>
<td>D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Explanation of Responses:**
1. Phantom deferred stock units (Units) acquired under the Air Products Stock Account of the issuer's Deferred Compensation Program for Directors, under the Company's Long-Term Incentive Plan.
2. Not applicable to this security
3. These Units are payable in the form of shares of common stock equal in number to the Units, at the time elected by the reporting person, which is generally after service on the Company's Board of Directors ends. Units may be paid in a lump sum or up to ten installments as elected by the reporting person in advance.

**Andrea I. Rennig as Attorney in Fact**
04/01/2022

**Signature of Reporting Person**

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

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[Editor's Note: The table and explanation provide a detailed view of the transactions and changes in beneficial ownership, including the specific terms and conditions of the reported securities. The form includes space for additional tables to accommodate the diversity of derivative securities transactions. The signature of the attorney in fact, Andrea I. Rennig, indicates the due diligence and compliance with the Securities Exchange Act of 1934.]