OConnor John MB Form 4 May 17, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB Number:

3235-0287

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January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading OConnor John MB Symbol OLIN CORP [OLN] (First) (Middle) (Last) 3. Date of Earliest Transaction

(Check all applicable)

5. Relationship of Reporting Person(s) to

(Month/Day/Year) X_ Director 10% Owner Other (specify Officer (give title 05/13/2010 below)

Issuer

C/O OLIN CORPORATION, 190 CARONDELET PLAZA SUITE 1530

> (Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

CLAYTON, MO 63105

par value

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial Ownership (Month/Day/Year) (Instr. 8) Owned Indirect (I) (Instr. 4) Following (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Price Code V Amount (D) Common 1,228 Family Stock \$1 05/13/2010 8,853 I Α (1) 20.37 Trust

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 4. Transactic Code (Instr. 8) | 5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exer Expiration D (Month/Day/ | ate | 7. Title and A Underlying S (Instr. 3 and | Securities | 8. Pric Deriva Securi (Instr. |
|---|---|--------------------------------------|--|---|---|--------------------|---|--|--|
| | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Phantom Stock Units (2) | \$ 0 (3) | 05/13/2010 | A | 3,200 | (2) | (2) | Common Stock | 3,200 | <u>(3</u> |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

OConnor John MB
C/O OLIN CORPORATION
190 CARONDELET PLAZA SUITE 1530
CLAYTON, MO 63105

Signatures

/s/ B. M. Pantalone, Attorney-in-Fact 05/17/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares of common stock granted under the Amended and Restated 1997 Stock Plan for Non-employee Directors, the Company's formula director compensation plan.
- (2) Phantom shares of common stock are also credited periodically to a deferred stock account under the Amended and Restated 1997 Stock Plan for Non-employee directors and are settled in common stock or cash following the date the reporting person ceases to be a director.
- (3) Security converts to common stock on a one-for-one basis.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2