W R GRACE & CO Form 4 May 12, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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response...

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

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obligations may continue.

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)

GRACE DRIVE

See Instruction

1. Name and Address of Reporting Person * Shelnitz Mark A

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

W R GRACE & CO [GRA]

(First) (Middle) (Last)

(Street)

3. Date of Earliest Transaction

(Month/Day/Year)

(Check all applicable) Director 10% Owner

C/O W. R. GRACE & CO., 7500 05/08/2014

X_ Officer (give title Other (specify below) below)

VP, GC and Secretary

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

COLUMBIA, MD 21044

(Zip) 2. Transaction Date 2A. Deemed

(State)

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

1. Title of Security (Instr. 3)

(City)

(Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (T) (Instr. 4) (Instr. 4)

Transaction(s)

(A)

(Instr. 3 and 4) Code V Amount (D) Price

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

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

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date or Number of Shares Employee Stock Common (2) 05/08/2019 05/08/2014(1) **Options** \$ 92.77 A 11,857 11,857 Stock (rights to buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Shelnitz Mark A C/O W. R. GRACE & CO. 7500 GRACE DRIVE COLUMBIA, MD 21044

VP, GC and Secretary

Signatures

/s/ Michael W. Conron, Attorney-in-Fact 05/12/2014

**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) Granted at a regularly scheduled Compensation Committee meeting on May 8, 2014.
- (2) Options become exercisable in three substantially equal annual installments beginning on May 8,2015; May 6, 2016; and May 8, 2017.

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.

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