Shelnitz Mark A Form 4 February 26, 2018

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

Check this box if no longer subject to **SECURITIES** Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Shelnitz Mark A Issuer Symbol W R GRACE & CO [GRA] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O W. R. GRACE & CO., 7500 02/22/2018 below) below) **GRACE DRIVE** VP, GC and Secretary (Street) 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 COLUMBIA, MD 21044 Person (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 Owned Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount Price

Common Stock, par 02/23/2018 M 1.555 58,139 D Α (2) value \$0.01 per share (1)Common Stock, par 02/23/2018 F 788 D 57,351 D value \$0.01 per share (1)

Common Stock, par By Trust 11,924 I (3) value \$0.01 per share (1)

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

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SEC 1474 (9-02)

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

1. Titl Deriv Secur (Instr.	ative ity	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	Securities Acquired Disposed	*		Pate	7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
					Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Emp Stock Option (right buy)	ons its to	\$ 67.335	02/22/2018		A	11,231		<u>(4)</u>	02/22/2023	Common Stock (1)	11,2
Restr Stock Units		<u>(5)</u>	02/22/2018		A	2,042		<u>(6)</u>	<u>(6)</u>	Common Stock (1)	2,04
Resta Stock Units		<u>(5)</u>	02/23/2018		M		1,555	<u>(7)</u>	<u>(7)</u>	Common Stock (1)	1,55

Reporting Owners

Reporting Owner Name / Address	Relationships						
Toporting of the France of France of	Director	10% Owner	Officer	Other			
Shelnitz Mark A							
C/O W. R. GRACE & CO.			VD CC and Sagratory				
7500 GRACE DRIVE			VP, GC and Secretary				

Signatures

COLUMBIA, MD 21044

/s/ Sean E. Dempsey, Attorney-in-Fact 02/26/2018

**Signature of Reporting Person Date

Reporting Owners 2

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) Each share of Common stock also represents one Preferred Share Purchase Right. Each such Right entitles the holder to purchase Preferred Stock or other securities or property upon the occurrence of certain events and subject to certain conditions.
- (2) Restricted stock units converted into Common Stock on a one-for-one basis.
- (3) Such shares are held in a trust established by the issuer for the benefit of certain officers and directors.
- (4) Options become exercisable in three substantially equal annual installments beginning on February 22, 2019.
- (5) Each Restricted Stock Unit represents a contingent right to receive one share of Common Stock or at the Issuer's election, the cash value thereof.
- (6) Restricted stock units vest in three substantially equal annual installments beginning on February 22, 2019 and will be settled within 60 days of those vesting dates.
- On February 25, 2016, the reporting person was granted 2,738 stock units, vesting annually in three substantially equal installments beginning on February 24, 2017; 913 of these stock units vested and settled on February 23, 2018. On February 23, 2017, the reporting person was granted 1,926 stock units, vesting in three substantially equal installments beginning on February 23, 2018; 642 of these stock units vested and settled on February 23, 2018.

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.